Phuong Nam Dao

List of Publications by Year
in descending order

58 papers	359 citations	933264 10 h-index	887953 17 g-index
63 all docs	63 docs citations	63 times ranked	140 citing authors

#	Article	IF	Citations
1	Sliding mode control strategy based lead screw control design in electromechanical tracking drive system. International Journal of Power Electronics and Drive Systems, 2022, 13, 150.	0.5	0
2	Online Actor-critic Reinforcement Learning Control for Uncertain Surface Vessel Systems with External Disturbances. International Journal of Control, Automation and Systems, 2022, 20, 1029-1040.	1.6	16
3	Disturbance observer-based adaptive reinforcement learning for perturbed uncertain surface vessels. ISA Transactions, 2022, 130, 277-292.	3.1	37
4	Robust Optimal Control Based on the Off-Policy Integral Reinforcement Learning Algorithm for Surface Vessel Systems with Unknown Dynamics. Lecture Notes in Mechanical Engineering, 2022, , 854-860.	0.3	1
5	Adaptive reinforcement learning in control design for cooperating manipulator systems. Asian Journal of Control, 2022, 24, 1088-1103.	1.9	25
6	A Direct Reinforcement Learning Approach for Nonautonomous Thermoacoustic Generator. Mathematical Problems in Engineering, 2022, 2022, 1-11.	0.6	1
7	Modelling and control design of the electrostatic linear comb actuator. International Journal of Power Electronics and Drive Systems, 2022, 13, 805.	0.5	0
8	Adaptive Reinforcement Learning Strategy with Sliding Mode Control for Unknown and Disturbed Wheeled Inverted Pendulum. International Journal of Control, Automation and Systems, 2021, 19, 1139-1150.	1.6	34
9	Output Feedback Adaptive Reinforcement Learning Tracking Control for Wheel Inverted Pendulum Systems. Advances in Intelligent Systems and Computing, 2021, , 535-547.	0.5	0
10	Sliding Mode Control Based Output Feedback Adaptive Dynamic Programming Algorithm for Uncertain Wheel Inverted Pendulum Systems. Advances in Intelligent Systems and Computing, 2021, , 963-972.	0.5	2
11	Finite Horizon Robust Nonlinear Model Predictive Control for Wheeled Mobile Robots. Mathematical Problems in Engineering, 2021, 2021, 1-8.	0.6	10
12	Control Design for Two-Channel Missile Systems. Lecture Notes in Networks and Systems, 2021, , 233-238.	0.5	0
13	Reinforcement Learning Based Adaptive Optimal Strategy in Robotic Control Systems. Advances in Intelligent Systems and Computing, 2021, , 941-951.	0.5	0
14	Adaptive dynamic programming algorithm for uncertain nonlinear switched systems. International Journal of Power Electronics and Drive Systems, 2021, 12, 551.	0.5	1
15	On finite-time output feedback sliding mode control of an elastic multi-motor system. International Journal of Power Electronics and Drive Systems, 2021, 12, 10.	0.5	2
16	Finite‐time convergence for bilateral teleoperation systems with disturbance and time‐varying delays. IET Control Theory and Applications, 2021, 15, 1736-1748.	1.2	16
17	Adaptive Reinforcement Learning-Enhanced Motion/Force Control Strategy for Multirobot Systems. Mathematical Problems in Engineering, 2021, 2021, 1-18.	0.6	4
18	Adaptive Reinforcement Learning Motion/Force Control of Multiple Uncertain Manipulators. Lecture Notes in Networks and Systems, 2021, , 265-271.	0.5	0

#	Article	IF	Citations
19	Sliding Variable-based Online Adaptive Reinforcement Learning of Uncertain/Disturbed Nonlinear Mechanical Systems. Journal of Control, Automation and Electrical Systems, 2021, 32, 281-290.	1.2	15
20	Robust model predictive kinematic tracking control with terminal region for wheeled robotic systems. Automatika, 2021, 62, 513-519.	1.2	4
21	Modified Q-Learning Algorithm with Lifting Method for Discrete-Time Linear Periodic Systems. Lecture Notes in Networks and Systems, 2021, , 548-559.	0.5	0
22	On Robust Control of Nonlinear Teleoperators Under Dynamic Uncertainties With Variable Time Delays and Without Relative Velocity. IEEE Transactions on Industrial Informatics, 2020, 16, 1272-1280.	7.2	23
23	On Stability of Perturbed Nonlinear Switched Systems with Adaptive Reinforcement Learning. Energies, 2020, 13, 5069.	1.6	5
24	Nonlinear Design of Adaptive Controllers for Bilateral Teleoperation Systems with Variable Time Delays. Lecture Notes in Networks and Systems, 2020, , 520-533.	0.5	0
25	Robust Model Predictive Control Based Kinematic Controller for Nonholonomic Wheeled Mobile Robotic Systems. Lecture Notes in Networks and Systems, 2020, , 628-635.	0.5	0
26	About Model Separation Techniques and Control Problems of Wheeled Mobile Robots. Advances in Intelligent Systems and Computing, 2020, , 1119-1127.	0.5	1
27	Adaptive dynamic programing based optimal control for a robot manipulator. International Journal of Power Electronics and Drive Systems, 2020, 11, 1123.	0.5	1
28	An Adaptive Backstepping Trajectory Tracking Control of a Tractor Trailer Wheeled Mobile Robot. International Journal of Control, Automation and Systems, 2019, 17, 465-473.	1.6	74
29	Modelling and Control Design of a V-Shaped Thermal Actuator System via Partial Derivative Equation Approach. , 2019, , .		2
30	Cascade Motion/Force Control Strategy of nonholonomic Wheeled Mobile Robotic Systems. , 2019, , .		2
31	Tube Based Robust Model Predictive Control for an Inverted Pendulum Via Solving Linear Matrix Inequalities. , 2019, , .		0
32	A Gaussian wavelet network-based robust adaptive tracking controller for a wheeled mobile robot with unknown wheel slips. International Journal of Control, 2019, 92, 2681-2692.	1.2	23
33	A Finite-Time Sliding Mode Controller Design for Flexible Joint Manipulator Systems Based on Disturbance Observer. International Journal of Mechanical Engineering and Robotics Research, 2019, , 619-625.	0.7	11
34	A New Approach of a Tube Based Output Feedback Model Predictive Control: Control Design for 2D Overhead Crane. Lecture Notes in Networks and Systems, 2019, , 55-62.	0.5	0
35	Robust Control Law Using H-infinity for Wheeled Inverted Pendulum Systems. International Journal of Mechanical Engineering and Robotics Research, 2019, , 483-487.	0.7	3
36	Adaptive Dynamic Programming based Integral Sliding Mode Control Law for Continuous-Time Systems: A Design for Inverted Pendulum Systems. International Journal of Mechanical Engineering and Robotics Research, 2019, , 279-283.	0.7	1

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37	Multi parametric model predictive control based on laguerre model for permanent magnet linear synchronous motors. International Journal of Electrical and Computer Engineering, 2019, 9, 1067.	0.5	3
38	A Laguerre Model-Based Model Predictive Control Law for Permanent Magnet Linear Synchronous Motor. Advances in Intelligent Systems and Computing, 2018, , 304-313.	0.5	3
39	Dynamic Programming Based Adaptive Optimal Control for Inverted Pendulum. Lecture Notes in Electrical Engineering, 2018, , 457-467.	0.3	0
40	High-Gain Observer Based Output Feedback Controller for a Two-Motor Drive System: A Separation Principle Approach. Lecture Notes in Electrical Engineering, 2018, , 840-849.	0.3	1
41	A Simple Approximate Dynamic Programing Based on Integral Sliding Mode Control for Unknown Linear Systems with Input Disturbance. , 2018, , .		1
42	Adaptive Tracking Control for a Boost DC – DC Converter: A Switched Systems Approach. , 2018, , .		6
43	Control Design for A Class of Nonlinear Systems Based on External Disturbance Observer. , 2018, , .		0
44	A fuzzy adaptive sliding mode controller for uncertain nonlinear multi motor systems. MATEC Web of Conferences, 2018, 161, 02013.	0.1	2
45	Multi-Parametric Programming based Cascade Control System for Unmanned Aerial Vehicles. , 2018, , .		0
46	Disturbance Observer Based Sliding Mode Control For Flexible Joint Manipulator Systems. , 2018, , .		0
47	Synchronization control of Bilateral Teleoperation systems by using wave variable method under varying time delay. , 2017, , .		1
48	Asymptotic stability of the whole tractor-trailer control system. , 2017, , .		5
49	An approach robust nonlinear model predictive control with state-dependent disturbances via linear matrix inequalities. , 2017, , .		1
50	Robust control for buck converter based on optimization. , 2017, , .		3
51	An adaptive control law against time - varying delays in bilateral teleoperation systems. , 2017, , .		1
52	A cascade controller for tracking and stabilization of wheeled mobile robotic systems. , 2017, , .		1
53	Fault detection and isolation for robot manipulator using statistics. , 2017, , .		1
54	Output feedback controller using high-gain observer in multi-motor drive systems. , 2017, , .		1

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55	Robust H-infinity backstepping control design of a wheeled inverted pendulum system. , 2017, , .		3
56	Multi parametric programming and exact linearization based model predictive control of a permanent magnet linear synchronous motor. , 2017, , .		1
57	Optimal control for bilateral teleoperation system with variational method. , 2016, , .		3
58	Analysis and control design of transformerless high gain, high efficient buck-boost DC-DC converters. , 2016, , .		6