

Cheng Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1635533/publications.pdf>

Version: 2024-02-01

18
papers

382
citations

758635

12
h-index

887659

17
g-index

18
all docs

18
docs citations

18
times ranked

240
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Adaptive NN-DSC control design for path following of underactuated surface vessels with input saturation. <i>Neurocomputing</i> , 2017, 267, 466-474. | 3.5 | 67 |
| 2 | Numerical study of the shock wave and pressure induced by single bubble collapse near planar solid wall. <i>Physics of Fluids</i> , 2021, 33, . | 1.6 | 41 |
| 3 | Trajectory tracking of underactuated surface vessels based on neural network and hierarchical sliding mode. <i>Journal of Marine Science and Technology</i> , 2015, 20, 322-330. | 1.3 | 34 |
| 4 | Model predictive control for path following and roll stabilization of marine vessels based on neurodynamic optimization. <i>Ocean Engineering</i> , 2020, 217, 107524. | 1.9 | 32 |
| 5 | COLREGs-Constrained Adaptive Fuzzy Event-Triggered Control for Underactuated Surface Vessels With the Actuator Failures. <i>IEEE Transactions on Fuzzy Systems</i> , 2021, 29, 3822-3832. | 6.5 | 29 |
| 6 | Computationally efficient MPC for path following of underactuated marine vessels using projection neural network. <i>Neural Computing and Applications</i> , 2020, 32, 7455-7464. | 3.2 | 25 |
| 7 | Path following of underactuated surface vessels with fin roll reduction based on neural network and hierarchical sliding mode technique. <i>Neural Computing and Applications</i> , 2015, 26, 1525-1535. | 3.2 | 22 |
| 8 | Vortical structures and wakes of a sphere in homogeneous and density stratified fluid. <i>Journal of Hydrodynamics</i> , 2021, 33, 207-215. | 1.3 | 22 |
| 9 | Integrated Line of Sight and Model Predictive Control for Path Following and Roll Motion Control Using Rudder. <i>Journal of Ship Research</i> , 2015, 59, 99-112. | 0.5 | 21 |
| 10 | Integrated Line of Sight and Model Predictive Control for Path Following and Roll Motion Control Using Rudder. <i>Journal of Ship Research</i> , 2015, 59, 99-112. | 0.5 | 19 |
| 11 | Event-triggered-based nonlinear model predictive control for trajectory tracking of underactuated ship with multi-obstacle avoidance. <i>Ocean Engineering</i> , 2022, 253, 111278. | 1.9 | 17 |
| 12 | Distributed guidance-based formation control of marine vehicles under switching topology. <i>Applied Ocean Research</i> , 2021, 106, 102465. | 1.8 | 15 |
| 13 | An efficient ship autopilot design using observer-based model predictive control. <i>Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment</i> , 2021, 235, 203-212. | 0.3 | 11 |
| 14 | Adaptive Neural Fault-Tolerant Control for USV With the Output-Based Triggering Approach. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 6948-6957. | 3.9 | 10 |
| 15 | Synchronization Control of Dynamic Positioning Ships Using Model Predictive Control. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 1239. | 1.2 | 9 |
| 16 | Neural-Network-Based Distributed Formation Tracking Control of Marine Vessels With Heterogeneous Hydrodynamics. <i>IEEE Access</i> , 2019, 7, 150141-150149. | 2.6 | 4 |
| 17 | Adaptive robust sliding mode control for ship straight-line tracking in random waves. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2013, 18, 549-553. | 0.5 | 3 |
| 18 | Anti-windup neural network-sliding mode control for dynamic positioning vessels. , 2021, , . | | 1 |