

# Chenliang Wang

## List of Publications by Year in descending order

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49  
papers

2,059  
citations

331670

21  
h-index

330143

37  
g-index

49  
all docs

49  
docs citations

49  
times ranked

1302  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Adaptive Consensus Control for Nonlinear Multiagent Systems With Unknown Control Directions Using Event-Triggered Communication. IEEE Transactions on Cybernetics, 2022, 52, 3057-3068.             | 9.5  | 18        |
| 2  | Composite Antidisturbance Control for Non-Gaussian Stochastic Systems via Information-Theoretic Learning Technique. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 7644-7654. | 11.3 | 2         |
| 3  | Robust Stabilization for a Class of Nonlinear Positive Systems With Multiple Disturbances. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 4611-4622.                        | 9.3  | 4         |
| 4  | Safe approaching control for spacecraft rendezvous with disturbances: A positive system approach. Asian Journal of Control, 2022, 24, 2258-2272.  | 3.0  | 6         |
| 5  | Compound Adaptive Fuzzy Quantized Control for Quadrotor and Its Experimental Verification. IEEE Transactions on Cybernetics, 2021, 51, 1121-1133.   | 9.5  | 69        |
| 6  | Attitude Coordination Control for Spacecraft With Disturbances and Event-Triggered Communication. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 586-596.                         | 4.7  | 23        |
| 7  | Event-Based Formation Coordinated Control for Multiple Spacecraft Under Communication Constraints. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 3168-3179.                | 9.3  | 46        |
| 8  | A bionic point-source polarisation sensor applied to underwater orientation. Journal of Navigation, 2021, 74, 1057-1072.  | 1.7  | 10        |
| 9  | Adaptive Consensus Control for Nonlinear Multiagent Systems With Unknown Control Directions and Time-Varying Actuator Faults. IEEE Transactions on Automatic Control, 2021, 66, 4222-4229.          | 5.7  | 44        |
| 10 | A Sensorless Haptic Force Estimation Method and Its Application to Uncertain Robotic Manipulators. , 2021, , .  |      | 1         |
| 11 | Composite Anti-Disturbance Control of Positive Markov Jump Systems With Disturbances and Time-Varying Delay. , 2021, , .  |      | 0         |
| 12 | Composite Anti-Disturbance Dynamic Regulation for Systems With Multiple Disturbances: From Stability to Balance. , 2021, , .  |      | 1         |
| 13 | Asymptotic Attitude Tracking Control for Uncertain Spacecraft With Multiple Disturbances: A Composite Anti-Disturbance Approach. , 2021, , .  |      | 0         |
| 14 | Attitude Tracking Control for Hypersonic Flight Vehicles Based on Sliding Mode Observers. , 2021, , .   |      | 1         |
| 15 | Event-Triggered Adaptive Attitude Tracking Control for Spacecraft With Unknown Actuator Faults. IEEE Transactions on Industrial Electronics, 2020, 67, 2241-2250.                                   | 7.9  | 121       |
| 16 | Adaptive Neural Network Control for a Class of Nonlinear Systems With Unknown Control Direction. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4708-4718.                  | 9.3  | 10        |
| 17 | Multivariable adaptive control with unknown signs of the high-frequency gain matrix using novel Nussbaum functions. Automatica, 2020, 111, 108618.  | 5.0  | 20        |
| 18 | Event-Triggered Adaptive Control for a Class of Nonlinear Systems With Unknown Control Direction and Sensor Faults. IEEE Transactions on Automatic Control, 2020, 65, 763-770.                      | 5.7  | 86        |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 19 | Output-feedback adaptive control for a class of MIMO nonlinear systems with actuator and sensor faults. <i>Journal of the Franklin Institute</i> , 2020, 357, 7962-7982.   | 3.4  | 13        |
| 20 | Adaptive attitude coordination control for spacecraft with actuator faults and external disturbances. , 2020, , .  |      | 0         |
| 21 | Event-triggered adaptive control for attitude tracking of spacecraft. <i>Chinese Journal of Aeronautics</i> , 2019, 32, 454-462.   | 5.3  | 26        |
| 22 | Event-Triggered Adaptive Control for a Class of Nonlinear Pure-Feedback Systems. , 2019, , .   |      | 1         |
| 23 | Adaptive Fault-Tolerant Control for Free-Floating Space Manipulator with Parameter Uncertainties. , 2019, , .  |      | 0         |
| 24 | Event-triggered adaptive fault-tolerant control for nonlinear systems fusing static and dynamic information. <i>Journal of the Franklin Institute</i> , 2019, 356, 248-267.  | 3.4  | 15        |
| 25 | Dynamic path planning and trajectory tracking using MPC for satellite with collision avoidance. <i>ISA Transactions</i> , 2019, 84, 128-141.   | 5.7  | 25        |
| 26 | Adaptive control with prescribed tracking performance for hypersonic flight vehicles in the presence of unknown elevator faults. <i>International Journal of Control</i> , 2019, 92, 1682-1691.                                | 1.9  | 11        |
| 27 | Adaptive Estimated Inverse Output-Feedback Quantized Control for Piezoelectric Positioning Stage. <i>IEEE Transactions on Cybernetics</i> , 2019, 49, 2106-2118.   | 9.5  | 125       |
| 28 | Decentralized Adaptive Neural Approximated Inverse Control for a Class of Large-Scale Nonlinear Hysteretic Systems With Time Delays. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, 49, 2424-2437. | 9.3  | 99        |
| 29 | Stabilisation of positive systems with generalised disturbances. <i>IET Control Theory and Applications</i> , 2019, 13, 2318-2325.   | 2.1  | 6         |
| 30 | Adaptive Control for Hypersonic Vehicles With Time-Varying Faults. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2018, 54, 1442-1455.   | 4.7  | 60        |
| 31 | Adaptive backstepping control for air-breathing hypersonic vehicles with input nonlinearities. <i>Aerospace Science and Technology</i> , 2018, 73, 289-299.  | 4.8  | 60        |
| 32 | Distributed Adaptive Containment Control for a Class of Nonlinear Multiagent Systems With Input Quantization. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018, 29, 2419-2428.                          | 11.3 | 42        |
| 33 | Neural Adaptive Fault-Tolerant Control for Attitude Tracking of Spacecraft. , 2018, , .  |      | 0         |
| 34 | Adaptive Actuator Failure Compensation for a Class of Nonlinear Systems With Unknown Control Direction. <i>IEEE Transactions on Automatic Control</i> , 2017, 62, 385-392.   | 5.7  | 151       |
| 35 | Decentralized adaptive tracking control for a class of interconnected nonlinear systems with input quantization. <i>Automatica</i> , 2017, 81, 359-368.  | 5.0  | 118       |
| 36 | Output-feedback adaptive consensus tracking control for a class of high-order nonlinear multi-agent systems. <i>International Journal of Robust and Nonlinear Control</i> , 2017, 27, 4931-4948.                               | 3.7  | 23        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | Adaptive cooperative tracking control for a class of nonlinear time-varying multi-agent systems. Journal of the Franklin Institute, 2017, 354, 6766-6782.   | 3.4 | 17        |
| 38 | Adaptive quantized attitude control for spacecraft with input saturation. , 2017, , .   |     | 3         |
| 39 | Adaptive containment control for a class of multi-agent systems with unknown actuator failures. , 2016, , .   |     | 2         |
| 40 | Adaptive compensation for infinite number of actuator failures with an application to flight control. International Journal of Adaptive Control and Signal Processing, 2016, 30, 443-455.                             | 4.1 | 14        |
| 41 | Decentralized output-feedback adaptive control for a class of interconnected nonlinear systems with unknown actuator failures. Automatica, 2016, 71, 187-196.   | 5.0 | 96        |
| 42 | Robust adaptive neural control for a class of uncertain MIMO nonlinear systems. International Journal of Systems Science, 2015, 46, 1934-1943.  | 5.5 | 6         |
| 43 | Decentralized adaptive tracking control for a class of interconnected nonlinear time-varying systems. Automatica, 2015, 54, 16-24.  | 5.0 | 256       |
| 44 | Adaptive dynamic surface control for MIMO nonlinear time-varying systems with prescribed tracking performance. International Journal of Control, 2015, 88, 832-843.   | 1.9 | 24        |
| 45 | Decentralized adaptive backstepping control for a class of interconnected nonlinear systems with unknown actuator failures. Journal of the Franklin Institute, 2015, 352, 835-850.                                    | 3.4 | 99        |
| 46 | Adaptive trajectory tracking control of output constrained multi-rotors systems. IET Control Theory and Applications, 2014, 8, 1163-1174.   | 2.1 | 219       |
| 47 | Output-feedback robust adaptive backstepping control for a class of multivariable nonlinear systems with guaranteed tracking performance. International Journal of Robust and Nonlinear Control, 2013, 23, 2082-2096. | 3.7 | 10        |
| 48 | Multivariable Adaptive Backstepping Control: A Norm Estimation Approach. IEEE Transactions on Automatic Control, 2012, 57, 989-995.   | 5.7 | 73        |
| 49 | Event-triggered controller design from the control input perspective. International Journal of Robust and Nonlinear Control, 0, , .   | 3.7 | 3         |