# Zhiwei Gao

List of Publications by Year
in descending order

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|---|---|---|---|
| 165<br>papers | 7,223<br>citations | 101543<br>36<br>h-index | 56724<br>83<br>g-index |
| 167<br>all docs | 167<br>docs citations | 167<br>times ranked | 4946<br>citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Robust Time Synchronization for Industrial Internet of Things by $H_\infty$ Output Feedback Control. IEEE Internet of Things Journal, 2023, 10, 2021-2030. | 8.7 | 9 |
| 2 | Non-flocking and flocking for the Cucker-Smale model with distributed time delays. Journal of the Franklin Institute, 2023, 360, 8788-8805. | 3.4 | 4 |
| 3 | Coordinated Electric Vehicle Active and Reactive Power Control for Active Distribution Networks. IEEE Transactions on Industrial Informatics, 2023, 19, 1611-1622. | 11.3 | 17 |
| 4 | Interval Coordination of Multiagent Networks With Antagonistic Interactions. IEEE Transactions on Automatic Control, 2023, 68, 2552-2559. | 5.7 | 9 |
| 5 | Anti-Saturation-Based Adaptive Sliding-Mode Control for Active Suspension Systems With Time-Varying Vertical Displacement and Speed Constraints. IEEE Transactions on Cybernetics, 2022, 52, 6244-6254. | 9.5 | 19 |
| 6 | Resilient Delayed Impulsive Control for Consensus of Multiagent Networks Subject to Malicious Agents. IEEE Transactions on Cybernetics, 2022, 52, 7196-7205. | 9.5 | 16 |
| 7 | Nonexistence of the Asymptotic Flocking in the Cucker$-$Smale Model With Short Range Communication Weights. IEEE Transactions on Automatic Control, 2022, 67, 1067-1072. | 5.7 | 6 |
| 8 | Iterative learning fault diagnosis and fault tolerant control for stochastic repetitive systems with Brownian motion. ISA Transactions, 2022, 121, 171-179. | 5.7 | 12 |
| 9 | Relative Threshold-Based Event-Triggered Control for Nonlinear Constrained Systems With Application to Aircraft Wing Rock Motion. IEEE Transactions on Industrial Informatics, 2022, 18, 911-921. | 11.3 | 29 |
| 10 | Guest Editorial: Digital Twinning: Integrating AI-ML and Big Data Analytics for Virtual Representation. IEEE Transactions on Industrial Informatics, 2022, 18, 1355-1358. | 11.3 | 9 |
| 11 | Convolutional neural network fault classification based on time-series analysis for benchmark wind turbine machine. Renewable Energy, 2022, 185, 916-931. | 8.9 | 55 |
| 12 | A Deep Learning-Based Fault Diagnosis of Leader-Following Systems. IEEE Access, 2022, 10, 18695-18706. | 4.2 | 2 |
| 13 | Material Removal Optimization Strategy of 3D Block Cutting Based on Geometric Computation Method. Processes, 2022, 10, 695. | 2.8 | 1 |
| 14 | Cloud-Based Event-Triggered Predictive Control for Heterogeneous NMASs Under Both DoS Attacks and Transmission Delays. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 7482-7493. | 9.3 | 10 |
| 15 | Mean–square strong stability and stabilization of discrete–time stochastic systems with multiplicative noises. International Journal of Robust and Nonlinear Control, 2022, 32, 6767-6784. | 3.7 | 5 |
| 16 | Robust Synchronized Data Acquisition for Biometric Authentication. IEEE Transactions on Industrial Informatics, 2022, 18, 9072-9082. | 11.3 | 6 |
| 17 | Fault Diagnosis and Fault-Tolerant Control of Energy Maximization for Wave Energy Converters. IEEE Transactions on Sustainable Energy, 2022, 13, 1771-1778. | 8.8 | 8 |
| 18 | Class-Imbalance Privacy-Preserving Federated Learning for Decentralized Fault Diagnosis With Biometric Authentication. IEEE Transactions on Industrial Informatics, 2022, 18, 9101-9111. | 11.3 | 46 |

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| 19 | Fault Diagnosis and Fault Tolerant Control for T–S Fuzzy Stochastic Distribution Systems Subject to Sensor and Actuator Faults. IEEE Transactions on Fuzzy Systems, 2021, 29, 3561-3569. | 9.8 | 33 |
| 20 | An Overview on Fault Diagnosis, Prognosis and Resilient Control for Wind Turbine Systems. Processes, 2021, 9, 300. | 2.8 | 159 |
| 21 | Fault reconstruction and resilient control for discrete-time stochastic systems. ISA Transactions, 2021, 118, 1-14. | 5.7 | 4 |
| 22 | Data-Driven Parameter Fault Classification for A DC–DC Buck Converter. , 2021, , . | | 5 |
| 23 | Special Issue on "Advances in Condition Monitoring, Optimization and Control for Complex Industrial Processes". Processes, 2021, 9, 664. | 2.8 | 15 |
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| 25 | A study of Qatar's Network Reliability During the Forthcoming FIFA 2022 World Cup. , 2021, , . | | 0 |
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| 28 | Fault Classification for Wind Turbine Benchmark Model Based on Hilbert-Huang Transformation and Support Vector Machine Strategies. , 2021, , . | | 3 |
| 29 | Real-Time Parameter Identification for Forging Machine Using Reinforcement Learning. Processes, 2021, 9, 1848. | 2.8 | 3 |
| 30 | Data-Driven Fault Classification for Three-Phase Induction Machines under Stator Inter-Turn Faults. , 2021, , . | | 0 |
| 31 | Data-Driven Fault Classification for Non-Inverting Buck–Boost DC–DC Power Converters Based on Expectation Maximisation Principal Component Analysis and Support Vector Machine Approaches. , 2021, , . | | 5 |
| 32 | An Online Control Approach for Forging Machine Using Reinforcement Learning and Taboo Search. IEEE Access, 2020, 8, 158666-158678. | 4.2 | 2 |
| 33 | Fault Tolerant Control Using Reinforcement Learning and Particle Swarm Optimization. IEEE Access, 2020, 8, 168802-168811. | 4.2 | 12 |
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| 35 | Actuator and Sensor Fault Classification for Wind Turbine Systems Based on Fast Fourier Transform and Uncorrelated Multi-Linear Principal Component Analysis Techniques. Processes, 2020, 8, 1066. | 2.8 | 51 |
| 36 | Observer-Based Event-Triggered Predictive Control for Networked Control Systems under DoS Attacks. Sensors, 2020, 20, 6866. | 3.8 | 6 |

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| 37 | Hyperplane design for discrete‐time sliding mode control with event‐trigger strategy and disturbance observer. IET Control Theory and Applications, 2020, 14, 1003-1011. | 2.1 | 5 |
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| 40 | Integrated Sensor Fault Diagnosis and Fault-Tolerant Control for Manipulator. Journal of Control Science and Engineering, 2019, 2019, 1-10. | 1.0 | 1 |
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| 42 | Observer-based fault estimation and tolerant control for stochastic Takagi–Sugeno fuzzy systems with Brownian parameter perturbations. Automatica, 2019, 102, 137-149. | 5.0 | 68 |
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| 44 | Improvement of Refrigeration Efficiency by Combining Reinforcement Learning with a Coarse Model. Processes, 2019, 7, 967. | 2.8 | 16 |
| 45 | Fault Classification in Wind Turbines Using Principal Component Analysis Technique. , 2019, , . | | 3 |
| 46 | Experimental Evaluation of Non-identical Pulse-Coupled Oscillators Synchronisation in IEEE 802.15.4 Wireless Sensor Networks. , 2019, , . | | 0 |
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| 53 | Integrated fault estimation and fault‐tolerant control for stochastic systems with Brownian motions. International Journal of Robust and Nonlinear Control, 2018, 28, 1915-1941. | 3.7 | 14 |
| 54 | Synchronization of Pulse-Coupled Oscillators for IEEE 802.15.4 Multi-Hop Wireless Sensor Networks. , 2018, , . | | 6 |

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| 55 | Time Synchronization of Pulse-Coupled Oscillators for Smart Grids. , 2018, , . | | 0 |
| 56 | Simulation and evaluation of pulse-coupled oscillators in wireless sensor networks. Systems Science and Control Engineering, 2018, 6, 337-349. | 3.1 | 8 |
| 57 | Grey-box Model Identification and Fault Detection of Wind Turbines Using Artificial Neural Networks. , 2018, , . | | 7 |
| 58 | Condition monitoring for the quadruple water tank system using H-infinity Kalman Filtering. MATEC Web of Conferences, 2018, 188, 05008. | 0.2 | 1 |
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| 66 | Robust finite-time fault estimation for stochastic nonlinear systems with Brownian motions. Journal of the Franklin Institute, 2017, 354, 2500-2523. | 3.4 | 37 |
| 67 | Robust fault estimation and fault tolerant control for Lipschitz nonlinear brownian systems. , 2017, , . | | 0 |
| 68 | Robust fault tolerant control for drive train in wind turbine systems with stochastic perturbations. , 2017, , . | | 1 |
| 69 | A reinforcement learning based fault diagnosis for autoregressive-moving-average model. , 2017, , . | | 1 |
| 70 | A software simulator of discrete pulse-coupled oscillators (PCO) time synchronization in wireless sensor networks. , 2017, , . | | 2 |
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| 94 | Data-based core genes screening for Hepatocellular Carcinoma. , 2014, , . | | 1 |
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| 149 | ROBUST FAULT DETECTION FOR UNCERTAIN TAKAGI-SUGENO FUZZY SYSTEMS WITH PARAMETRIC UNCERTAINTY AND PROCESS DISTURBANCES. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 741-746. | 0.4 | 7 |
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