# Bin Jiang

## List of Publications by Year
in descending order

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|---|---|---|---|
| 439 papers | 10,296 citations | 34105<br>52 h-index | 51608<br>86 g-index |
| 442 all docs | 442 docs citations | 442 times ranked | 5302 citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | Adaptive Fault-Tolerant Tracking Control of Near-Space Vehicle Using Takagi–Sugeno Fuzzy Models. IEEE Transactions on Fuzzy Systems, 2010, 18, 1000-1007. | 9.8 | 342 |
| 2 | A Review of Fault Detection and Diagnosis for the Traction System in High-Speed Trains. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 450-465. | 8.0 | 258 |
| 3 | Fault estimation and accommodation for linear MIMO discrete-time systems. IEEE Transactions on Control Systems Technology, 2005, 13, 493-499. | 5.2 | 251 |
| 4 | Fault-Tolerant Control for T–S Fuzzy Systems With Application to Near-Space Hypersonic Vehicle With Actuator Faults. IEEE Transactions on Fuzzy Systems, 2012, 20, 652-665. | 9.8 | 247 |
| 5 | Data-Driven Fault Diagnosis for Traction Systems in High-Speed Trains: A Survey, Challenges, and Perspectives. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 1700-1716. | 8.0 | 244 |
| 6 | Dynamic Output Feedback-Fault Tolerant Controller Design for Takagi–Sugeno Fuzzy Systems With Actuator Faults. IEEE Transactions on Fuzzy Systems, 2010, 18, 194-201. | 9.8 | 231 |
| 7 | Adaptive Fuzzy Observer-Based Active Fault-Tolerant Dynamic Surface Control for a Class of Nonlinear Systems With Actuator Faults. IEEE Transactions on Fuzzy Systems, 2014, 22, 338-349. | 9.8 | 192 |
| 8 | Fault Estimation Observer Design for Discrete-Time Takagi–Sugeno Fuzzy Systems Based on Piecewise Lyapunov Functions. IEEE Transactions on Fuzzy Systems, 2012, 20, 192-200. | 9.8 | 182 |
| 9 | Integrated Fault Estimation and Accommodation Design for Discrete-Time Takagi–Sugeno Fuzzy Systems With Actuator Faults. IEEE Transactions on Fuzzy Systems, 2011, 19, 291-304. | 9.8 | 180 |
| 10 | A novel nonlinear resilient control for a quadrotor UAV via backstepping control and nonlinear disturbance observer. Nonlinear Dynamics, 2016, 85, 1281-1295. | 5.2 | 171 |
| 11 | A Descriptor System Approach for Estimation of Incipient Faults With Application to High-Speed Railway Traction Devices. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 2108-2118. | 9.3 | 169 |
| 12 | $H_\infty$ Filtering of Discrete-Time Switched Systems With State Delays via Switched Lyapunov Function Approach. IEEE Transactions on Automatic Control, 2007, 52, 1520-1525. | 5.7 | 168 |
| 13 | Incipient winding fault detection and diagnosis for squirrel-cage induction motors equipped on CRH trains. ISA Transactions, 2020, 99, 488-495. | 5.7 | 166 |
| 14 | Fuzzy Logic System-Based Adaptive Fault-Tolerant Control for Near-Space Vehicle Attitude Dynamics With Actuator Faults. IEEE Transactions on Fuzzy Systems, 2013, 21, 289-300. | 9.8 | 159 |
| 15 | $H_\infty$-Filter Design for a Class of Networked Control Systems Via T–S Fuzzy-Model Approach. IEEE Transactions on Fuzzy Systems, 2010, 18, 201-208. | 9.8 | 158 |
| 16 | Stabilization of Switched Nonlinear Systems With All Unstable Modes: Application to Multi-Agent Systems. IEEE Transactions on Automatic Control, 2011, 56, 2230-2235. | 5.7 | 143 |
| 17 | Stabilization of a Class of Switched Linear Neutral Systems Under Asynchronous Switching. IEEE Transactions on Automatic Control, 2013, 58, 2114-2119. | 5.7 | 125 |
| 18 | A New Approach to Observer-Based Fault-Tolerant Controller Design for Takagi-Sugeno Fuzzy Systems with State Delay. Circuits, Systems, and Signal Processing, 2009, 28, 679-697. | 2.0 | 108 |

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|---|---------|-----|-----------|
| 19 | Fault-Tolerant Cooperative Control of Multiagent Systems: A Survey of Trends and Methodologies. IEEE Transactions on Industrial Informatics, 2020, 16, 4-17. | 11.3 | 105 |
| 20 | Adaptive Sliding Mode Fault-Tolerant Fuzzy Tracking Control With Application to Unmanned Marine Vehicles. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6691-6700. | 9.3 | 105 |
| 21 | Robust NSV Fault-Tolerant Control System Design Against Actuator Faults and Control Surface Damage Under Actuator Dynamics. IEEE Transactions on Industrial Electronics, 2015, 62, 5919-5928. | 7.9 | 99 |
| 22 | Optimal Fault-Tolerant Path-Tracking Control for 4WS4WD Electric Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2010, 11, 237-243. | 8.0 | 98 |
| 23 | Active fault tolerant control design for reusable launch vehicle using adaptive sliding mode technique. Journal of the Franklin Institute, 2012, 349, 1543-1560. | 3.4 | 98 |
| 24 | Fault recoverability and fault tolerant control for a class of interconnected nonlinear systems. Automatica, 2015, 54, 49-55. | 5.0 | 98 |
| 25 | Parameter fault detection and estimation of a class of nonlinear systems using observers. Journal of the Franklin Institute, 2005, 342, 725-736. | 3.4 | 90 |
| 26 | Robust attitude control of near space vehicles with time-varying disturbances. International Journal of Control, Automation and Systems, 2013, 11, 182-187. | 2.7 | 90 |
| 27 | Adaptive output feedback fault-tolerant control design for hypersonic flight vehicles. Journal of the Franklin Institute, 2015, 352, 1811-1835. | 3.4 | 90 |
| 28 | Fault Tolerance Analysis for Switched Systems Via Global Passivity. IEEE Transactions on Circuits and Systems II: Express Briefs, 2008, 55, 1279-1283. | 3.0 | 89 |
| 29 | Observer-based integrated robust fault estimation and accommodation design for discrete-time systems. International Journal of Control, 2010, 83, 1167-1181. | 1.9 | 87 |
| 30 | An improved incipient fault detection method based on Kullback-Leibler divergence. ISA Transactions, 2018, 79, 127-136. | 5.7 | 84 |
| 31 | Intelligent bearing fault diagnosis using PCAâ€"DBN framework. Neural Computing and Applications, 2020, 32, 10773-10781. | 5.6 | 82 |
| 32 | Adaptive Fault Diagnosis for Tâ€"S Fuzzy Systems With Sensor Faults and System Performance Analysis. IEEE Transactions on Fuzzy Systems, 2014, 22, 274-285. | 9.8 | 81 |
| 33 | A fault tolerant control framework for periodic switched non-linear systems. International Journal of Control, 2009, 82, 117-129. | 1.9 | 77 |
| 34 | Adaptive Fault-Tolerant Sliding-Mode Control for High-Speed Trains With Actuator Faults and Uncertainties. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 2449-2460. | 8.0 | 77 |
| 35 | Sliding mode observer based incipient sensor fault detection with application to high-speed railway traction device. ISA Transactions, 2016, 63, 49-59. | 5.7 | 76 |
| 36 | Fast adaptive fault estimation and accommodation for nonlinear timeâ€varying delay systems. Asian Journal of Control, 2009, 11, 643-652. | 3.0 | 74 |

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|---|---------|-----|-----------|
| 37 | Protocol and Fault Detection Design for Nonlinear Networked Control Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2009, 56, 255-259. | 3.0 | 72 |
| 38 | Fault Tolerant Control for a Class of Nonlinear Systems with Application to Near Space Vehicle. Circuits, Systems, and Signal Processing, 2011, 30, 655-672. | 2.0 | 72 |
| 39 | Guaranteed transient performance based control with input saturation for near space vehicles. Science China Information Sciences, 2014, 57, 1-12. | 4.3 | 72 |
| 40 | Adaptive neural observer‑based backstepping fault tolerant control for near space vehicle under control effector damage. IET Control Theory and Applications, 2014, 8, 658-666. | 2.1 | 70 |
| 41 | Sliding Mode Observer-Based Fault Estimation forÂNonlinear Networked Control Systems. Circuits, Systems, and Signal Processing, 2011, 30, 1-16. | 2.0 | 67 |
| 42 | Incipient Fault Detection for Traction Motors of High-Speed Railways Using an Interval Sliding Mode Observer. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 2703-2714. | 8.0 | 65 |
| 43 | Reconfigurable Control Allocation against Aircraft Control Effector Failures. Control Applications (CCA), Proceedings of the IEEE International Conference on, 2007, , . | 0.0 | 64 |
| 44 | Passive Fault-Tolerant Control Design for Near-Space Hypersonic Vehicle Dynamical System. Circuits, Systems, and Signal Processing, 2012, 31, 565-581. | 2.0 | 62 |
| 45 | Sensor fault estimation and compensation for time-delay switched systems. International Journal of Systems Science, 2012, 43, 629-640. | 5.5 | 61 |
| 46 | Adaptive technique‑based distributed fault estimation observer design for multi‑agent systems with directed graphs. IET Control Theory and Applications, 2015, 9, 2619-2625. | 2.1 | 61 |
| 47 | Dynamic Long Short-Term Memory Neural-Network- Based Indirect Remaining-Useful-Life Prognosis for Satellite Lithium-Ion Battery. Applied Sciences (Switzerland), 2018, 8, 2078. | 2.5 | 61 |
| 48 | Improved data driven model free adaptive constrained control for a solid oxide fuel cell. IET Control Theory and Applications, 2016, 10, 1412-1419. | 2.1 | 60 |
| 49 | Hierarchical-Structure-Based Fault Estimation and Fault-Tolerant Control for Multiagent Systems. IEEE Transactions on Control of Network Systems, 2019, 6, 586-597. | 3.7 | 59 |
| 50 | Adaptive PCA based fault diagnosis scheme in imperial smelting process. ISA Transactions, 2014, 53, 1446-1455. | 5.7 | 56 |
| 51 | Robust Stability of Switched Nonlinear Systems With Switching Uncertainties. IEEE Transactions on Automatic Control, 2016, 61, 2531-2537. | 5.7 | 55 |
| 52 | Multiple incipient sensor faults diagnosis with application to high-speed railway traction devices. ISA Transactions, 2017, 67, 183-192. | 5.7 | 54 |
| 53 | Adaptive fault‑tolerant backstepping control against actuator gain faults and its applications to an aircraft longitudinal motion dynamics. International Journal of Robust and Nonlinear Control, 2013, 23, 1753-1779. | 3.7 | 52 |
| 54 | Spacecraft formation stabilization and fault tolerance: A state-varying switched system approach. Systems and Control Letters, 2013, 62, 715-722. | 2.3 | 50 |

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| 55 | Fault Tolerant Formations Control of UAVs Subject to Permanent and Intermittent Faults. Journal of Intelligent and Robotic Systems: Theory and Applications, 2014, 73, 589-602. | 3.4 | 50 |
| 56 | A Newly Robust Fault Detection and Diagnosis Method for High-Speed Trains. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 2198-2208. | 8.0 | 50 |
| 57 | Distributed Fault-Tolerant Consensus Tracking Control of Multi-Agent Systems Under Fixed and Switching Topologies. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 1646-1658. | 5.4 | 50 |
| 58 | A Multi-mode Incipient Sensor Fault Detection and Diagnosis Method for Electrical Traction Systems. International Journal of Control, Automation and Systems, 2018, 16, 1783-1793. | 2.7 | 49 |
| 59 | Adaptive relevant vector machine based RUL prediction under uncertain conditions. ISA Transactions, 2019, 87, 217-224. | 5.7 | 49 |
| 60 | IRESbase: A Comprehensive Database of Experimentally Validated Internal Ribosome Entry Sites. Genomics, Proteomics and Bioinformatics, 2020, 18, 129-139. | 6.9 | 48 |
| 61 | Incipient Voltage Sensor Fault Isolation for Rectifier in Railway Electrical Traction Systems. IEEE Transactions on Industrial Electronics, 2017, 64, 6763-6774. | 7.9 | 46 |
| 62 | Composite Adaptive Disturbance Observer-Based Decentralized Fractional-Order Fault-Tolerant Control of Networked UAVs. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 799-813. | 9.3 | 45 |
| 63 | Active fault-tolerant control against actuator fault and performance analysis of the effect of time delay due to fault diagnosis. International Journal of Control, Automation and Systems, 2017, 15, 537-546. | 2.7 | 44 |
| 64 | Sensor fault estimation and compensation for microsatellite attitude control systems. International Journal of Control, Automation and Systems, 2010, 8, 228-237. | 2.7 | 43 |
| 65 | Less conservative criteria for fault accommodation of time-varying delay systems using adaptive fault diagnosis observer. International Journal of Adaptive Control and Signal Processing, 2010, 24, 322-334. | 4.1 | 43 |
| 66 | Fault detection for continuous-time switched systems under asynchronous switching. International Journal of Robust and Nonlinear Control, 2014, 24, 1694-1706. | 3.7 | 43 |
| 67 | A Comprehensive Review on Signal-Based and Model-Based Condition Monitoring of Wind Turbines: Fault Diagnosis and Lifetime Prognosis. Proceedings of the IEEE, 2022, 110, 754-806. | 21.3 | 43 |
| 68 | Adaptive control and constrained control allocation for overactuated ocean surface vessels. International Journal of Systems Science, 2013, 44, 2295-2309. | 5.5 | 41 |
| 69 | Adaptive Sliding Mode Observer-Based Robust Fault Reconstruction for a Helicopter With Actuator Fault. Asian Journal of Control, 2016, 18, 1558-1565. | 3.0 | 40 |
| 70 | CircAST: Full-length Assembly and Quantification of Alternatively Spliced Isoforms in Circular RNAs. Genomics, Proteomics and Bioinformatics, 2019, 17, 522-534. | 6.9 | 40 |
| 71 | Robust reliable control for a near space vehicle with parametric uncertainties and actuator faults. International Journal of Systems Science, 2011, 42, 2113-2124. | 5.5 | 39 |
| 72 | Reliable guaranteed-cost control of delta operator switched systems with actuator faults: mode-dependent average dwell-time approach. IET Control Theory and Applications, 2016, 10, 17-23. | 2.1 | 39 |

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| 73 | Robust Unknown Input Observer-Based Fault Estimation of Leader–Follower Linear Multi-agent Systems. Circuits, Systems, and Signal Processing, 2017, 36, 525-542. | 2.0 | 39 |
| 74 | Extended state observer–based sliding mode fault–tolerant control for unmanned autonomous helicopter with wind gusts. IET Control Theory and Applications, 2019, 13, 1500-1513. | 2.1 | 39 |
| 75 | Active fault–tolerant control for switched systems with time delay. International Journal of Adaptive Control and Signal Processing, 2011, 25, 466-480. | 4.1 | 38 |
| 76 | Fault Tolerant Tracking Control Scheme for UAV Using Dynamic Surface Control Technique. Circuits, Systems, and Signal Processing, 2012, 31, 1713-1729. | 2.0 | 38 |
| 77 | A framework of robust fault estimation observer design for continuous–time/discrete–time systems. Optimal Control Applications and Methods, 2013, 34, 442-457. | 2.1 | 38 |
| 78 | Synchronization of multiple 3-DOF helicopters under actuator faults and saturations with prescribed performance. ISA Transactions, 2018, 75, 118-126. | 5.7 | 38 |
| 79 | Robust decentralised load frequency control for interconnected time delay power systems using sliding mode techniques. IET Control Theory and Applications, 2020, 14, 470-480. | 2.1 | 38 |
| 80 | Prediction Interval Estimation of Aeroengine Remaining Useful Life Based on Bidirectional Long Short-Term Memory Network. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-13. | 4.7 | 38 |
| 81 | Adaptive backstepping control for a hypersonic vehicle with uncertain parameters and actuator faults. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2013, 227, 51-61. | 1.0 | 37 |
| 82 | Dynamic surface active fault tolerant control design for the attitude control systems of UAV with actuator fault. International Journal of Control, Automation and Systems, 2016, 14, 723-732. | 2.7 | 37 |
| 83 | Adaptive fault tolerant control against actuator faults. International Journal of Adaptive Control and Signal Processing, 2017, 31, 147-162. | 4.1 | 37 |
| 84 | Adaptive Backstepping Based Fault-tolerant Control for High-speed Trains with Actuator Faults. International Journal of Control, Automation and Systems, 2019, 17, 1408-1420. | 2.7 | 37 |
| 85 | Fault estimation observer design for discrete–time systems in finite–frequency domain. International Journal of Robust and Nonlinear Control, 2015, 25, 1379-1398. | 3.7 | 36 |
| 86 | Interval Sliding Mode Observer Based Incipient Sensor Fault Detection With Application to a Traction Device in China Railway High-Speed. IEEE Transactions on Vehicular Technology, 2019, 68, 2585-2597. | 6.3 | 36 |
| 87 | Fault detection for discrete-time switched systems with interval time-varying delays. International Journal of Control, Automation and Systems, 2011, 9, 396-401. | 2.7 | 35 |
| 88 | Sensor fault estimation and accommodation for discrete–time switched linear systems. IET Control Theory and Applications, 2014, 8, 960-967. | 2.1 | 35 |
| 89 | Singular Perturbation-Based Fault-Tolerant Control of the Air-Breathing Hypersonic Vehicle. IEEE/ASME Transactions on Mechatronics, 2019, 24, 2562-2571. | 5.8 | 35 |
| 90 | Directed-Graph-Observer-Based Model-Free Cooperative Sliding Mode Control for Distributed Energy Storage Systems in DC Microgrid. IEEE Transactions on Industrial Informatics, 2020, 16, 1224-1235. | 11.3 | 35 |

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| 91 | Data-Driven Fault Detection for Dynamic Systems With Performance Degradation: A Unified Transfer Learning Framework. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12. | 4.7 | 34 |
| 92 | Data-Driven Incipient Sensor Fault Estimation with Application in Inverter of High-Speed Railway. Mathematical Problems in Engineering, 2017, 2017, 1-13. | 1.1 | 33 |
| 93 | Distributed adaptive fault-tolerant close formation flight control of multiple trailing fixed-wing UAVs. ISA Transactions, 2020, 106, 181-199. | 5.7 | 33 |
| 94 | Fault-tolerant anti-windup control for hypersonic vehicles in reentry based on ISMDO. Journal of the Franklin Institute, 2018, 355, 2067-2090. | 3.4 | 32 |
| 95 | Pathway enrichment analysis approach based on topological structure and updated annotation of pathway. Briefings in Bioinformatics, 2019, 20, 168-177. | 6.5 | 32 |
| 96 | Incipient Fault Diagnosis for High-Speed Train Traction Systems via Stacked Generalization. IEEE Transactions on Cybernetics, 2022, 52, 7624-7633. | 9.5 | 32 |
| 97 | Fault-tolerant shortest connection topology design for formation control. International Journal of Control, Automation and Systems, 2014, 12, 29-36. | 2.7 | 31 |
| 98 | Robust Adaptive Tracking Control of the Underwater Robot with Input Nonlinearity Using Neural Networks. International Journal of Computational Intelligence Systems, 2010, 3, 646-655. | 2.7 | 30 |
| 99 | Disturbance-Observer-Based Terminal Sliding Mode Control for Linear Traction System With Prescribed Performance. IEEE Transactions on Transportation Electrification, 2021, 7, 649-658. | 7.8 | 30 |
| 100 | ToMFIR-based incipient fault detection and estimation for high-speed rail vehicle suspension system. Journal of the Franklin Institute, 2015, 352, 1672-1692. | 3.4 | 29 |
| 101 | A fault-tolerant control framework for a class of non-linear networked control systems. International Journal of Systems Science, 2009, 40, 449-460. | 5.5 | 28 |
| 102 | Actuator fault estimation and accommodation for switched systems with time delay: Discrete-time case. ISA Transactions, 2016, 62, 137-144. | 5.7 | 28 |
| 103 | Fault-Tolerant Control for Systems With Unmatched Actuator Faults and Disturbances. IEEE Transactions on Automatic Control, 2021, 66, 1725-1732. | 5.7 | 28 |
| 104 | Fault-Tolerant Time-Varying Elliptical Formation Control of Multiple Fixed-Wing UAVs for Cooperative Forest Fire Monitoring. Journal of Intelligent and Robotic Systems: Theory and Applications, 2021, 101, 1. | 3.4 | 28 |
| 105 | Active fault–tolerant control for near space vehicles based on reference model adaptive sliding mode scheme. International Journal of Adaptive Control and Signal Processing, 2014, 28, 765-777. | 4.1 | 27 |
| 106 | Multi-constrained fault estimation observer design with finite frequency specifications for continuous-time systems. International Journal of Control, 2014, 87, 1635-1645. | 1.9 | 27 |
| 107 | Trajectory tracking of a quadrotor with unknown parameters and its fault-tolerant control via sliding mode fault observer. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2015, 229, 279-292. | 1.0 | 27 |
| 108 | Stability of fractional–order switched non–linear systems. IET Control Theory and Applications, 2016, 10, 965-970. | 2.1 | 27 |

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|---|---------|-----|-----------|
| 109 | Fault-tolerant control for a class of non-linear systems with dead-zone. International Journal of Systems Science, 2016, 47, 1689-1699. | 5.5 | 27 |
| 110 | Incipient fault diagnosis for T–S fuzzy systems with application to high–speed railway traction devices. IET Control Theory and Applications, 2016, 10, 2286-2297. | 2.1 | 26 |
| 111 | Autonomous cyanobacterial harmful algal blooms monitoring using multirotor UAS. International Journal of Remote Sensing, 2017, 38, 2818-2843. | 2.9 | 26 |
| 112 | Fault estimation and accommodation for switched systems with time-varying delay. International Journal of Control, Automation and Systems, 2011, 9, 442-451. | 2.7 | 25 |
| 113 | Adaptive fault-tolerant attitude tracking control of hypersonic vehicle subject to unexpected centroid-shift and state constraints. Aerospace Science and Technology, 2019, 95, 105515. | 4.8 | 25 |
| 114 | Attitude Synchronization For Multiple 3-DOF Helicopters With Actuator Faults. IEEE/ASME Transactions on Mechatronics, 2019, 24, 597-608. | 5.8 | 25 |
| 115 | Interval observer and unknown input observer-based sensor fault estimation for high-speed railway traction motor. Journal of the Franklin Institute, 2020, 357, 1137-1154. | 3.4 | 25 |
| 116 | Results and perspectives on fault tolerant control for a class of hybrid systems. International Journal of Control, 2011, 84, 396-411. | 1.9 | 24 |
| 117 | Adaptive Dynamic Sliding Mode Control for Near Space Vehicles Under Actuator Faults. Circuits, Systems, and Signal Processing, 2013, 32, 2281-2296. | 2.0 | 24 |
| 118 | Cooperative path following control of multiple nonholonomic mobile robots. ISA Transactions, 2017, 71, 161-169. | 5.7 | 24 |
| 119 | Dynamic Predictive Maintenance Scheduling Using Deep Learning Ensemble for System Health Prognostics. IEEE Sensors Journal, 2021, 21, 26878-26891. | 4.7 | 24 |
| 120 | Switching fault tolerant control design via global dissipativity. International Journal of Systems Science, 2010, 41, 1003-1012. | 5.5 | 23 |
| 121 | Robust bounded control for uncertain flight dynamics using disturbance observer. Journal of Systems Engineering and Electronics, 2014, 25, 640-647. | 2.2 | 23 |
| 122 | Distributed fault estimation observer design for multi–agent systems with switching topologies. IET Control Theory and Applications, 2017, 11, 2801-2807. | 2.1 | 23 |
| 123 | A direct adaptive actuator failure compensation scheme for satellite attitude control systems. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2014, 228, 542-556. | 1.3 | 22 |
| 124 | Diagnosis, Diagnosticability Analysis, and Test Point Design for Multiple Faults Based on Multisignal Modeling and Blind Source Separation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 137-148. | 9.3 | 22 |
| 125 | Adaptive Fault-Tolerant H-Infinity Output Feedback Control for Lead-Wing Close Formation Flight. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, , 1-11. | 9.3 | 21 |
| 126 | Fault Tolerant Control of Switched Systems: A Generalized Separation Principle. IEEE Transactions on Control Systems Technology, 2019, 27, 553-565. | 5.2 | 21 |

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| 127 | Robust l2 - lâˆž Control for Uncertain Discrete-Time Switched Systems with Delays. Circuits, Systems, and Signal Processing, 2006, 25, 729-744. | 2.0 | 20 |
| 128 | Static output feedback based fault accommodation design for continuous-time dynamic systems. International Journal of Control, 2011, 84, 412-423. | 1.9 | 20 |
| 129 | Robust slidingâ€mode observers for largeâ€scale systems with application to a multimachine power system. IET Control Theory and Applications, 2017, 11, 1307-1315. | 2.1 | 20 |
| 130 | Adaptive Control Design and Evaluation for Multibody High-Speed Train Dynamic Models. IEEE Transactions on Control Systems Technology, 2021, 29, 1061-1074. | 5.2 | 20 |
| 131 | Adaptive Observer-Based Fault Diagnosis with Application to Satellite Attitude Control Systems. , 2007, , . | | 19 |
| 132 | Fault recoverability analysis of switched systems. International Journal of Systems Science, 2012, 43, 535-542. | 5.5 | 19 |
| 133 | Adaptive actuator failure compensation for multivariable feedback linearizable systems. International Journal of Robust and Nonlinear Control, 2016, 26, 252-285. | 3.7 | 19 |
| 134 | Fault diagnosis and accommodation with flight control applications. Journal of Control and Decision, 2020, 7, 24-43. | 1.6 | 19 |
| 135 | Observerâ€based faultâ€tolerant control for a class of hybrid impulsive systems. International Journal of Robust and Nonlinear Control, 2010, 20, 448-459. | 3.7 | 18 |
| 136 | Fault Self-repairing Flight Control of a Small Helicopter via Fuzzy Feedforward and Quantum Control Techniques. Cognitive Computation, 2012, 4, 543-548. | 5.2 | 18 |
| 137 | Fault Detection for a Class of Nonlinear Networked Control Systems with Markov Transfer Delays and Stochastic Packet Drops. Circuits, Systems, and Signal Processing, 2015, 34, 1211-1231. | 2.0 | 18 |
| 138 | Fault diagnosis for a class of active suspension systems with dynamic actuatorsâ€™ faults. International Journal of Control, Automation and Systems, 2016, 14, 1160-1172. | 2.7 | 18 |
| 139 | Incipient sensor fault estimation and accommodation for inverter devices in electric railway traction systems. International Journal of Adaptive Control and Signal Processing, 2017, 31, 785-804. | 4.1 | 18 |
| 140 | A modified neighborhood preserving embedding-based incipient fault detection with applications to small-scale cyberâ€"physical systems. ISA Transactions, 2020, 104, 175-183. | 5.7 | 18 |
| 141 | Noncommutativity Error Analysis of Strapdown Inertial Navigation System under the Vibration in UAVs. International Journal of Advanced Robotic Systems, 2012, 9, 136. | 2.1 | 17 |
| 142 | Missing Output Identification Model Based Recursive Least Squares Algorithm for a Distributed Parameter System. International Journal of Control, Automation and Systems, 2018, 16, 150-157. | 2.7 | 17 |
| 143 | Fault Detection for a Class of Nonlinear Networked Control Systems with Communication Constraints. International Journal of Control, Automation and Systems, 2018, 16, 256-264. | 2.7 | 17 |
| 144 | Adaptive Fault-tolerant Neural Control for Large-scale Systems with Actuator Faults. International Journal of Control, Automation and Systems, 2019, 17, 1421-1431. | 2.7 | 17 |

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|---|---------|-----|-----------|
| 145 | Adaptive fault-tolerant formation control for quadrotors with actuator faults. Asian Journal of Control, 2020, 22, 1317-1326. | 3.0 | 17 |
| 146 | Fault tolerance analysis for stochastic systems using switching diffusion processes. International Journal of Control, 2009, 82, 1516-1525. | 1.9 | 16 |
| 147 | $H_\infty$ fault-tolerant control for time-varied actuator fault of nonlinear system. International Journal of Systems Science, 2014, 45, 2447-2457. | 5.5 | 16 |
| 148 | A Novel Multi-Agent Model-Free Control for State-of-Charge Balancing Between Distributed Battery Energy Storage Systems. IEEE Transactions on Emerging Topics in Computational Intelligence, 2021, 5, 679-688. | 4.9 | 16 |
| 149 | Nonfragile Observer for Discrete-Time Switched Nonlinear Systems with Time Delay. Circuits, Systems, and Signal Processing, 2011, 30, 73-87. | 2.0 | 15 |
| 150 | Fault-tolerant control design for near-space vehicles based on a dynamic terminal sliding mode technique. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2012, 226, 787-794. | 1.0 | 15 |
| 151 | Adaptive Actuator Failure Identification for Microsatellites Under Closed-Loop Control. IEEE Transactions on Control Systems Technology, 2015, 23, 910-923. | 5.2 | 15 |
| 152 | MIMO Evolution Model-Based Coupled Fault Estimation and Adaptive Control With High-Speed Train Applications. IEEE Transactions on Control Systems Technology, 2018, 26, 1552-1566. | 5.2 | 15 |
| 153 | Distributed-observer-based Fault Tolerant Control Design for Nonlinear Multi-agent Systems. International Journal of Control, Automation and Systems, 2019, 17, 3149-3157. | 2.7 | 15 |
| 154 | Fault-tolerant control for a class of switched parabolic systems. Nonlinear Analysis: Hybrid Systems, 2019, 32, 214-227. | 3.5 | 15 |
| 155 | Distributed fault-tolerant time-varying formation control of heterogeneous multi-agent systems. International Journal of Robust and Nonlinear Control, 2022, 32, 2864-2882. | 3.7 | 15 |
| 156 | Robust fault-tolerant control for uncertain delta operator switched systems. IET Control Theory and Applications, 2014, 8, 120-130. | 2.1 | 14 |
| 157 | Distributed fault estimation design of interconnected systems with external disturbances. IET Control Theory and Applications, 2019, 13, 377-386. | 2.1 | 14 |
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