

Bin Jiang

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318
papers

6,866
citations

44
h-index

71
g-index

442
ext. papers

8,719
ext. citations

3.4
avg, IF

6.82
L-index

#	Paper	IF	Citations
318	. <i>IEEE Transactions on Fuzzy Systems</i> , 2010 , 18, 1000-1007	8.3	280
317	Fault-Tolerant Control for T β Fuzzy Systems With Application to Near-Space Hypersonic Vehicle With Actuator Faults. <i>IEEE Transactions on Fuzzy Systems</i> , 2012 , 20, 652-665	8.3	192
316	Fault estimation and accommodation for linear MIMO discrete-time systems. <i>IEEE Transactions on Control Systems Technology</i> , 2005 , 13, 493-499	4.8	187
315	Dynamic Output Feedback-Fault Tolerant Controller Design for TakagiSugeno Fuzzy Systems With Actuator Faults. <i>IEEE Transactions on Fuzzy Systems</i> , 2010 , 18, 194-201	8.3	179
314	Adaptive Fuzzy Observer-Based Active Fault-Tolerant Dynamic Surface Control for a Class of Nonlinear Systems With Actuator Faults. <i>IEEE Transactions on Fuzzy Systems</i> , 2014 , 22, 338-349	8.3	156
313	Fault Estimation Observer Design for Discrete-Time TakagiSugeno Fuzzy Systems Based on Piecewise Lyapunov Functions. <i>IEEE Transactions on Fuzzy Systems</i> , 2012 , 20, 192-200	8.3	154
312	Integrated Fault Estimation and Accommodation Design for Discrete-Time TakagiSugeno Fuzzy Systems With Actuator Faults. <i>IEEE Transactions on Fuzzy Systems</i> , 2011 , 19, 291-304	8.3	154
311	\mathcal{H}_∞ Filtering of Discrete-Time Switched Systems With State Delays via Switched Lyapunov Function Approach. <i>IEEE Transactions on Automatic Control</i> , 2007 , 52, 1520-1525	5.9	142
310	\mathcal{H}_∞ -Filter Design for a Class of Networked Control Systems Via T β Fuzzy-Model Approach. <i>IEEE Transactions on Fuzzy Systems</i> , 2010 , 18, 201-208	8.3	139
309	A Descriptor System Approach for Estimation of Incipient Faults With Application to High-Speed Railway Traction Devices. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 49, 2108-2118	7.3	129
308	Fuzzy Logic System-Based Adaptive Fault-Tolerant Control for Near-Space Vehicle Attitude Dynamics With Actuator Faults. <i>IEEE Transactions on Fuzzy Systems</i> , 2013 , 21, 289-300	8.3	123
307	A Review of Fault Detection and Diagnosis for the Traction System in High-Speed Trains. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020 , 21, 450-465	6.1	123
306	A novel nonlinear resilient control for a quadrotor UAV via backstepping control and nonlinear disturbance observer. <i>Nonlinear Dynamics</i> , 2016 , 85, 1281-1295	5	117
305	Stabilization of Switched Nonlinear Systems With All Unstable Modes: Application to Multi-Agent Systems. <i>IEEE Transactions on Automatic Control</i> , 2011 , 56, 2230-2235	5.9	110
304	Incipient winding fault detection and diagnosis for squirrel-cage induction motors equipped on CRH trains. <i>ISA Transactions</i> , 2020 , 99, 488-495	5.5	104
303	Stabilization of a Class of Switched Linear Neutral Systems Under Asynchronous Switching. <i>IEEE Transactions on Automatic Control</i> , 2013 , 58, 2114-2119	5.9	92
302	A New Approach to Observer-Based Fault-Tolerant Controller Design for Takagi-Sugeno Fuzzy Systems with State Delay. <i>Circuits, Systems, and Signal Processing</i> , 2009 , 28, 679-697	2.2	85

301	Adaptive output feedback fault-tolerant control design for hypersonic flight vehicles. <i>Journal of the Franklin Institute</i> , 2015 , 352, 1811-1835	4	78
300	Data-Driven Fault Diagnosis for Traction Systems in High-Speed Trains: A Survey, Challenges, and Perspectives. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020 , 1-17	6.1	78
299	Active fault tolerant control design for reusable launch vehicle using adaptive sliding mode technique. <i>Journal of the Franklin Institute</i> , 2012 , 349, 1543-1560	4	75
298	Fault recoverability and fault tolerant control for a class of interconnected nonlinear systems. <i>Automatica</i> , 2015 , 54, 49-55	5.7	74
297	Optimal Fault-Tolerant Path-Tracking Control for 4WS4WD Electric Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2010 , 11, 237-243	6.1	74
296	Observer-based integrated robust fault estimation and accommodation design for discrete-time systems. <i>International Journal of Control</i> , 2010 , 83, 1167-1181	1.5	74
295	. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 5919-5928	8.9	72
294	Robust attitude control of near space vehicles with time-varying disturbances. <i>International Journal of Control, Automation and Systems</i> , 2013 , 11, 182-187	2.9	69
293	A fault tolerant control framework for periodic switched non-linear systems. <i>International Journal of Control</i> , 2009 , 82, 117-129	1.5	66
292	Adaptive Fault Diagnosis for TB Fuzzy Systems With Sensor Faults and System Performance Analysis. <i>IEEE Transactions on Fuzzy Systems</i> , 2014 , 22, 274-285	8.3	64
291	Parameter fault detection and estimation of a class of nonlinear systems using observers. <i>Journal of the Franklin Institute</i> , 2005 , 342, 725-736	4	64
290	Fault Tolerance Analysis for Switched Systems Via Global Passivity. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2008 , 55, 1279-1283	3.5	63
289	Fault Tolerant Control for a Class of Nonlinear Systems with Application to Near Space Vehicle. <i>Circuits, Systems, and Signal Processing</i> , 2011 , 30, 655-672	2.2	59
288	Fast adaptive fault estimation and accommodation for nonlinear time-varying delay systems. <i>Asian Journal of Control</i> , 2009 , 11, 643-652	1.7	59
287	Adaptive neural observer-based backstepping fault tolerant control for near space vehicle under control effector damage. <i>IET Control Theory and Applications</i> , 2014 , 8, 658-666	2.5	58
286	Guaranteed transient performance based control with input saturation for near space vehicles. <i>Science China Information Sciences</i> , 2014 , 57, 1-12	3.4	57
285	Protocol and Fault Detection Design for Nonlinear Networked Control Systems. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2009 , 56, 255-259	3.5	55
284	An improved incipient fault detection method based on Kullback-Leibler divergence. <i>ISA Transactions</i> , 2018 , 79, 127-136	5.5	55

283	Sliding Mode Observer-Based Fault Estimation for Nonlinear Networked Control Systems. <i>Circuits, Systems, and Signal Processing</i> , 2011 , 30, 1-16	2.2	52
282	Fault-Tolerant Cooperative Control of Multiagent Systems: A Survey of Trends and Methodologies. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 4-17	11.9	52
281	Adaptive PCA based fault diagnosis scheme in imperial smelting process. <i>ISA Transactions</i> , 2014 , 53, 1446-55	9.5	48
280	Sensor fault estimation and compensation for time-delay switched systems. <i>International Journal of Systems Science</i> , 2012 , 43, 629-640	2.3	48
279	Sliding mode observer based incipient sensor fault detection with application to high-speed railway traction device. <i>ISA Transactions</i> , 2016 , 63, 49-59	5.5	48
278	Incipient Fault Detection for Traction Motors of High-Speed Railways Using an Interval Sliding Mode Observer. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2018 , 1-12	6.1	48
277	Adaptive Sliding Mode Fault-Tolerant Fuzzy Tracking Control With Application to Unmanned Marine Vehicles. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-10	7.3	47
276	Adaptive technique-based distributed fault estimation observer design for multi-agent systems with directed graphs. <i>IET Control Theory and Applications</i> , 2015 , 9, 2619-2625	2.5	44
275	Fault Tolerant Formations Control of UAVs Subject to Permanent and Intermittent Faults. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2014 , 73, 589-602	2.9	44
274	Passive Fault-Tolerant Control Design for Near-Space Hypersonic Vehicle Dynamical System. <i>Circuits, Systems, and Signal Processing</i> , 2012 , 31, 565-581	2.2	44
273	Improved data driven model free adaptive constrained control for a solid oxide fuel cell. <i>IET Control Theory and Applications</i> , 2016 , 10, 1412-1419	2.5	43
272	Adaptive fault-tolerant backstepping control against actuator gain faults and its applications to an aircraft longitudinal motion dynamics. <i>International Journal of Robust and Nonlinear Control</i> , 2013 , 23, 1753-1779	3.6	42
271	Robust Stability of Switched Nonlinear Systems With Switching Uncertainties. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 2531-2537	5.9	40
270	Multiple incipient sensor faults diagnosis with application to high-speed railway traction devices. <i>ISA Transactions</i> , 2017 , 67, 183-192	5.5	39
269	Fault detection for continuous-time switched systems under asynchronous switching. <i>International Journal of Robust and Nonlinear Control</i> , 2014 , 24, 1694-1706	3.6	37
268	Reconfigurable Control Allocation against Aircraft Control Effector Failures. <i>Control Applications (CCA), Proceedings of the IEEE International Conference on</i> , 2007 ,		37
267	Dynamic Long Short-Term Memory Neural-Network- Based Indirect Remaining-Useful-Life Prognosis for Satellite Lithium-Ion Battery. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 2078	2.6	37
266	Active fault-tolerant control against actuator fault and performance analysis of the effect of time delay due to fault diagnosis. <i>International Journal of Control, Automation and Systems</i> , 2017 , 15, 537-546	2.9	36

265	Spacecraft formation stabilization and fault tolerance: A state-varying switched system approach. <i>Systems and Control Letters</i> , 2013 , 62, 715-722	2.4	36
264	Robust reliable control for a near space vehicle with parametric uncertainties and actuator faults. <i>International Journal of Systems Science</i> , 2011 , 42, 2113-2124	2.3	36
263	A Multi-mode Incipient Sensor Fault Detection and Diagnosis Method for Electrical Traction Systems. <i>International Journal of Control, Automation and Systems</i> , 2018 , 16, 1783-1793	2.9	35
262	Less conservative criteria for fault accommodation of time-varying delay systems using adaptive fault diagnosis observer. <i>International Journal of Adaptive Control and Signal Processing</i> , 2010 , 24, 322-334 ⁸	2.8	34
261	Fault estimation observer design for discrete-time systems in finite-frequency domain. <i>International Journal of Robust and Nonlinear Control</i> , 2015 , 25, 1379-1398	3.6	33
260	Sensor fault estimation and accommodation for discrete-time switched linear systems. <i>IET Control Theory and Applications</i> , 2014 , 8, 960-967	2.5	33
259	A Newly Robust Fault Detection and Diagnosis Method for High-Speed Trains. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2019 , 20, 2198-2208	6.1	33
258	Adaptive fault tolerant control against actuator faults. <i>International Journal of Adaptive Control and Signal Processing</i> , 2017 , 31, 147-162	2.8	31
257	Adaptive relevant vector machine based RUL prediction under uncertain conditions. <i>ISA Transactions</i> , 2019 , 87, 217-224	5.5	31
256	Incipient Voltage Sensor Fault Isolation for Rectifier in Railway Electrical Traction Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 6763-6774	8.9	30
255	Adaptive Sliding Mode Observer-Based Robust Fault Reconstruction for a Helicopter With Actuator Fault. <i>Asian Journal of Control</i> , 2016 , 18, 1558-1565	1.7	30
254	Adaptive control and constrained control allocation for overactuated ocean surface vessels. <i>International Journal of Systems Science</i> , 2013 , 44, 2295-2309	2.3	30
253	Fault Tolerant Tracking Control Scheme for UAV Using Dynamic Surface Control Technique. <i>Circuits, Systems, and Signal Processing</i> , 2012 , 31, 1713-1729	2.2	30
252	Active fault-tolerant control for switched systems with time delay. <i>International Journal of Adaptive Control and Signal Processing</i> , 2011 , 25, 466-480	2.8	30
251	Data-Driven Incipient Sensor Fault Estimation with Application in Inverter of High-Speed Railway. <i>Mathematical Problems in Engineering</i> , 2017 , 2017, 1-13	1.1	29
250	Dynamic surface active fault tolerant control design for the attitude control systems of UAV with actuator fault. <i>International Journal of Control, Automation and Systems</i> , 2016 , 14, 723-732	2.9	29
249	Adaptive backstepping control for a hypersonic vehicle with uncertain parameters and actuator faults. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2013 , 227, 51-61	1	29
248	Hierarchical-Structure-Based Fault Estimation and Fault-Tolerant Control for Multiagent Systems. <i>IEEE Transactions on Control of Network Systems</i> , 2019 , 6, 586-597	4	28

247	A framework of robust fault estimation observer design for continuous-time/discrete-time systems. <i>Optimal Control Applications and Methods</i> , 2013 , 34, 442-457	1.7	28
246	Sensor fault estimation and compensation for microsatellite attitude control systems. <i>International Journal of Control, Automation and Systems</i> , 2010 , 8, 228-237	2.9	28
245	Multi-constrained fault estimation observer design with finite frequency specifications for continuous-time systems. <i>International Journal of Control</i> , 2014 , 87, 1635-1645	1.5	27
244	Reliable guaranteed-cost control of delta operator switched systems with actuator faults: mode-dependent average dwell-time approach. <i>IET Control Theory and Applications</i> , 2016 , 10, 17-23	2.5	26
243	Fault-tolerant control for a class of non-linear systems with dead-zone. <i>International Journal of Systems Science</i> , 2016 , 47, 1689-1699	2.3	25
242	Extended state observer-based sliding mode fault-tolerant control for unmanned autonomous helicopter with wind gusts. <i>IET Control Theory and Applications</i> , 2019 , 13, 1500-1513	2.5	25
241	Robust Adaptive Tracking Control of the Underwater Robot with Input Nonlinearity Using Neural Networks. <i>International Journal of Computational Intelligence Systems</i> , 2010 , 3, 646-655	3.4	25
240	Synchronization of multiple 3-DOF helicopters under actuator faults and saturations with prescribed performance. <i>ISA Transactions</i> , 2018 , 75, 118-126	5.5	24
239	Fault detection for discrete-time switched systems with interval time-varying delays. <i>International Journal of Control, Automation and Systems</i> , 2011 , 9, 396-401	2.9	24
238	A fault-tolerant control framework for a class of non-linear networked control systems. <i>International Journal of Systems Science</i> , 2009 , 40, 449-460	2.3	24
237	Intelligent bearing fault diagnosis using PCADBN framework. <i>Neural Computing and Applications</i> , 2020 , 32, 10773-10781	4.8	24
236	ToMFIR-based incipient fault detection and estimation for high-speed rail vehicle suspension system. <i>Journal of the Franklin Institute</i> , 2015 , 352, 1672-1692	4	23
235	Adaptive Fault-Tolerant Sliding-Mode Control for High-Speed Trains With Actuator Faults and Uncertainties. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020 , 21, 2449-2460	6.1	23
234	Stability of fractional-order switched non-linear systems. <i>IET Control Theory and Applications</i> , 2016 , 10, 965-970	2.5	22
233	Fault-tolerant shortest connection topology design for formation control. <i>International Journal of Control, Automation and Systems</i> , 2014 , 12, 29-36	2.9	22
232	Fault-tolerant anti-windup control for hypersonic vehicles in reentry based on ISMDO. <i>Journal of the Franklin Institute</i> , 2018 , 355, 2067-2090	4	21
231	Active fault-tolerant control for near space vehicles based on reference model adaptive sliding mode scheme. <i>International Journal of Adaptive Control and Signal Processing</i> , 2014 , 28, 765-777	2.8	21
230	Adaptive Dynamic Sliding Mode Control for Near Space Vehicles Under Actuator Faults. <i>Circuits, Systems, and Signal Processing</i> , 2013 , 32, 2281-2296	2.2	21

229	Pathway enrichment analysis approach based on topological structure and updated annotation of pathway. <i>Briefings in Bioinformatics</i> , 2019 , 20, 168-177	13.4	21
228	Robust Unknown Input Observer-Based Fault Estimation of Leader-Follower Linear Multi-agent Systems. <i>Circuits, Systems, and Signal Processing</i> , 2017 , 36, 525-542	2.2	20
227	Interval Sliding Mode Observer Based Incipient Sensor Fault Detection With Application to a Traction Device in China Railway High-Speed. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 2585-2597	6.8	20
226	Adaptive Backstepping Based Fault-tolerant Control for High-speed Trains with Actuator Faults. <i>International Journal of Control, Automation and Systems</i> , 2019 , 17, 1408-1420	2.9	20
225	Switching fault tolerant control design via global dissipativity. <i>International Journal of Systems Science</i> , 2010 , 41, 1003-1012	2.3	20
224	Attitude Synchronization For Multiple 3-DOF Helicopters With Actuator Faults. <i>IEEE/ASME Transactions on Mechatronics</i> , 2019 , 24, 597-608	5.5	19
223	Incipient fault diagnosis for TB fuzzy systems with application to high-speed railway traction devices. <i>IET Control Theory and Applications</i> , 2016 , 10, 2286-2297	2.5	19
222	Actuator fault estimation and accommodation for switched systems with time delay: Discrete-time case. <i>ISA Transactions</i> , 2016 , 62, 137-44	5.5	19
221	Trajectory tracking of a quadrotor with unknown parameters and its fault-tolerant control via sliding mode fault observer. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2015 , 229, 279-292	1	19
220	Results and perspectives on fault tolerant control for a class of hybrid systems. <i>International Journal of Control</i> , 2011 , 84, 396-411	1.5	19
219	CircAST: Full-length Assembly and Quantification of Alternatively Spliced Isoforms in Circular RNAs. <i>Genomics, Proteomics and Bioinformatics</i> , 2019 , 17, 522-534	6.5	19
218	Distributed fault estimation observer design for multi-agent systems with switching topologies. <i>IET Control Theory and Applications</i> , 2017 , 11, 2801-2807	2.5	18
217	Robust decentralised load frequency control for interconnected time delay power systems using sliding mode techniques. <i>IET Control Theory and Applications</i> , 2020 , 14, 470-480	2.5	18
216	Robust sliding-mode observers for large-scale systems with application to a multimachine power system. <i>IET Control Theory and Applications</i> , 2017 , 11, 1307-1315	2.5	18
215	Fault Detection for a Class of Nonlinear Networked Control Systems with Markov Transfer Delays and Stochastic Packet Drops. <i>Circuits, Systems, and Signal Processing</i> , 2015 , 34, 1211-1231	2.2	17
214	Adaptive fault-tolerant attitude tracking control of hypersonic vehicle subject to unexpected centroid-shift and state constraints. <i>Aerospace Science and Technology</i> , 2019 , 95, 105515	4.9	17
213	Cooperative path following control of multiple nonholonomic mobile robots. <i>ISA Transactions</i> , 2017 , 71, 161-169	5.5	17
212	Fault Self-repairing Flight Control of a Small Helicopter via Fuzzy Feedforward and Quantum Control Techniques. <i>Cognitive Computation</i> , 2012 , 4, 543-548	4.4	17

211	Fault estimation and accommodation for switched systems with time-varying delay. <i>International Journal of Control, Automation and Systems</i> , 2011 , 9, 442-451	2.9	17
210	Singular Perturbation-Based Fault-Tolerant Control of the Air-Breathing Hypersonic Vehicle. <i>IEEE/ASME Transactions on Mechatronics</i> , 2019 , 24, 2562-2571	5.5	16
209	Robust bounded control for uncertain flight dynamics using disturbance observer. <i>Journal of Systems Engineering and Electronics</i> , 2014 , 25, 640-647	1.3	16
208	Observer-based fault-tolerant control for a class of hybrid impulsive systems. <i>International Journal of Robust and Nonlinear Control</i> , 2010 , 20, 448-459	3.6	16
207	Robust l_2 - l_∞ Control for Uncertain Discrete-Time Switched Systems with Delays. <i>Circuits, Systems, and Signal Processing</i> , 2006 , 25, 729-744	2.2	16
206	Fault Detection for a Class of Nonlinear Networked Control Systems with Communication Constraints. <i>International Journal of Control, Automation and Systems</i> , 2018 , 16, 256-264	2.9	15
205	A direct adaptive actuator failure compensation scheme for satellite attitude control systems. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2014 , 228, 542-556	0.9	15
204	Directed-Graph-Observer-Based Model-Free Cooperative Sliding Mode Control for Distributed Energy Storage Systems in DC Microgrid. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 1224-1235 ^{11.9}	11.9	15
203	Autonomous cyanobacterial harmful algal blooms monitoring using multirotor UAS. <i>International Journal of Remote Sensing</i> , 2017 , 38, 2818-2843	3.1	14
202	IRESbase: A Comprehensive Database of Experimentally Validated Internal Ribosome Entry Sites. <i>Genomics, Proteomics and Bioinformatics</i> , 2020 , 18, 129-139	6.5	14
201	Distributed adaptive fault-tolerant close formation flight control of multiple trailing fixed-wing UAVs. <i>ISA Transactions</i> , 2020 , 106, 181-199	5.5	14
200	Missing Output Identification Model Based Recursive Least Squares Algorithm for a Distributed Parameter System. <i>International Journal of Control, Automation and Systems</i> , 2018 , 16, 150-157	2.9	14
199	Diagnosis, Diagnosticability Analysis, and Test Point Design for Multiple Faults Based on Multisignal Modeling and Blind Source Separation. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 137-148	7.3	14
198	Composite Adaptive Disturbance Observer-Based Decentralized Fractional-Order Fault-Tolerant Control of Networked UAVs. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-15	7.3	14
197	Data-Driven Fault Detection for Dynamic Systems With Performance Degradation: A Unified Transfer Learning Framework. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-12	5.2	13
196	Fault diagnosis for a class of active suspension systems with dynamic actuators[Faults. <i>International Journal of Control, Automation and Systems</i> , 2016 , 14, 1160-1172	2.9	12
195	Adaptive actuator failure compensation for multivariable feedback linearizable systems. <i>International Journal of Robust and Nonlinear Control</i> , 2016 , 26, 252-285	3.6	12
194	Incipient sensor fault estimation and accommodation for inverter devices in electric railway traction systems. <i>International Journal of Adaptive Control and Signal Processing</i> , 2017 , 31, 785-804	2.8	12

193	Noncommutativity Error Analysis of Strapdown Inertial Navigation System under the Vibration in UAVs. <i>International Journal of Advanced Robotic Systems</i> , 2012 , 9, 136	1.4	12
192	Static output feedback based fault accommodation design for continuous-time dynamic systems. <i>International Journal of Control</i> , 2011 , 84, 412-423	1.5	12
191	Nonfragile Observer for Discrete-Time Switched Nonlinear Systems with Time Delay. <i>Circuits, Systems, and Signal Processing</i> , 2011 , 30, 73-87	2.2	12
190	Fault diagnosis and accommodation with flight control applications. <i>Journal of Control and Decision</i> , 2020 , 7, 24-43	0.9	12
189	Fault Tolerant Control of Switched Systems: A Generalized Separation Principle. <i>IEEE Transactions on Control Systems Technology</i> , 2019 , 27, 553-565	4.8	12
188	Direct self-repairing control for a helicopter via quantum multi-model and disturbance observer. <i>International Journal of Systems Science</i> , 2016 , 47, 533-543	2.3	11
187	Fault-tolerant control design for near-space vehicles based on a dynamic terminal sliding mode technique. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2012 , 226, 787-794	1	11
186	Fault recoverability analysis of switched systems. <i>International Journal of Systems Science</i> , 2012 , 43, 535-542		11
185	Prediction Interval Estimation of Aeroengine Remaining Useful Life Based on Bidirectional Long Short-Term Memory Network. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-13	5.2	11
184	Adaptive Fault-tolerant Neural Control for Large-scale Systems with Actuator Faults. <i>International Journal of Control, Automation and Systems</i> , 2019 , 17, 1421-1431	2.9	10
183	Cooperative control design for non-holonomic chained-form systems. <i>International Journal of Systems Science</i> , 2015 , 46, 1525-1539	2.3	10
182	Robust fault estimation observer design with finite-time convergence specification. <i>IET Control Theory and Applications</i> , 2017 , 11, 1-9	2.5	10
181	Fault tolerance analysis for stochastic systems using switching diffusion processes. <i>International Journal of Control</i> , 2009 , 82, 1516-1525	1.5	10
180	Robust control for a class of time-delay uncertain nonlinear systems based on sliding mode observer. <i>Neural Computing and Applications</i> , 2010 , 19, 945-951	4.8	10
179	Fault-tolerant control for a class of switched parabolic systems. <i>Nonlinear Analysis: Hybrid Systems</i> , 2019 , 32, 214-227	4.5	10
178	Distributed fault estimation design of interconnected systems with external disturbances. <i>IET Control Theory and Applications</i> , 2019 , 13, 377-386	2.5	9
177	Performance analysis of a federated ultra-tight global positioning system/inertial navigation system integration algorithm in high dynamic environments. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2015 , 229, 56-71	0.9	9
176	Incipient Fault Detection Using an Associated Adaptive and Sliding-Mode Observer for Quadrotor Helicopter Attitude Control Systems. <i>Circuits, Systems, and Signal Processing</i> , 2016 , 35, 3555-3574	2.2	9

175	A Micro-cloning dynamic multiobjective algorithm with an adaptive change reaction strategy. <i>Soft Computing</i> , 2017 , 21, 3781-3801	3.5	9
174	Robust fault-tolerant control for uncertain delta operator switched systems. <i>IET Control Theory and Applications</i> , 2014 , 8, 120-130	2.5	9
173	An output delay approach to fault estimation for sampled-data systems. <i>Science China Information Sciences</i> , 2012 , 55, 2128-2138	3.4	9
172	Fault tolerant control scheme design for the formation control system of unmanned aerial vehicles. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2013 , 227, 626-634	1	9
171	On stability of non-linear and switched parabolic systems. <i>IET Control Theory and Applications</i> , 2013 , 7, 749-756	2.5	9
170	Adaptive actuator failure compensation control based on MMST grouping for a class of MIMO nonlinear systems with guaranteed transient performance. <i>International Journal of Control</i> , 2015 , 88, 593-601	1.5	8
169	A Novel Multi-Agent Model-Free Control for State-of-Charge Balancing Between Distributed Battery Energy Storage Systems. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2020 , 1-10	4.1	8
168	Incremental stability of switched non-linear systems. <i>IET Control Theory and Applications</i> , 2016 , 10, 220-225		8
167	Data mining-based flatness pattern prediction for cold rolling process with varying operating condition. <i>Knowledge and Information Systems</i> , 2014 , 41, 355-378	2.4	8
166	HI fault-tolerant control for time-varied actuator fault of nonlinear system. <i>International Journal of Systems Science</i> , 2014 , 45, 2447-2457	2.3	8
165	Dissipativity-based robust reduced-order fault estimation observer design of multi-agent systems. <i>International Journal of Control, Automation and Systems</i> , 2017 , 15, 2619-2627	2.9	8
164	Adaptive Actuator Failure Identification for Microsatellites Under Closed-Loop Control. <i>IEEE Transactions on Control Systems Technology</i> , 2015 , 23, 910-923	4.8	8
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119	Adaptive non-singular fault-tolerant control for hypersonic vehicle with unexpected centroid shift. <i>IET Control Theory and Applications</i> , 2019 , 13, 1773-1785	2.5	5
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97	Identification Methods for Two-Variable Difference Systems. <i>Circuits, Systems, and Signal Processing</i> , 2016 , 35, 3027-3039	2.2	3
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95	Adaptive Sensor Fault Detection for Rail Vehicle Suspension Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 7552-7565	6.8	3
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93	Model Free Command Filtered Backstepping Control for Marine Power Systems. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-8	1.1	3
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84	Distributed fault-tolerant time-varying formation control of heterogeneous multi-agent systems. <i>International Journal of Robust and Nonlinear Control</i> ,	3.6	3
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75	Incipient Fault Detection Method using Kullback-Leibler Divergence for CRH5 and Some Remarks 2018 ,		3
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70	Adaptive finite-time fault-tolerant formation control for quadrotors with actuator faults 2018 ,		2
69	Improved Model-Free Adaptive Sliding-Mode-Constrained Control for Linear Induction Motor considering End Effects. <i>Mathematical Problems in Engineering</i> , 2018 , 2018, 1-9	1.1	2
68	Effective aerial monitoring of cyanobacterial harmful algal blooms is dependent on understanding cellular migration. <i>Harmful Algae</i> , 2019 , 87, 101620	5.3	2

67	Improved adaptive genetic algorithm for grid resource scheduling via quantum control techniques 2013,		2
66	Incipient winding fault detection and isolation for induction motors of high-speed trains 2017,		2
65	Active fault-tolerant control design for T-S fuzzy systems with application to a near space vehicle 2010,		2
64	Fault-Tolerant Control for a Class of Uncertain Systems with Actuator Faults 2009,		2
63	Fault-tolerant control for a class of hybrid systems with uncontrollable switching. <i>International Journal of Systems Science</i> , 2009 , 40, 1063-1075	2.3	2
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61	Fault-tolerant control design for a kind of nonlinear networked control system with communication constraints 2009,		2
60	Multimodel-based flight control system reconfiguration control in the presence of input constraints. <i>Journal of Control Theory and Applications</i> , 2010 , 8, 418-424		2
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58	A data-driven prognostics method for explicit health index assessment and improved remaining useful life prediction of bearings. <i>ISA Transactions</i> , 2021,	5.5	2
57	HisPhosSite: A comprehensive database of histidine phosphorylated proteins and sites. <i>Journal of Proteomics</i> , 2021 , 243, 104262	3.9	2
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55	Robust fault-tolerant control design for induction motor with faults and disturbances 2016,		2
54	Robust Asymptotic Estimation of Sensor Faults for Continuous-time Interconnected Systems. <i>International Journal of Control, Automation and Systems</i> , 2019 , 17, 3170-3178	2.9	2
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51	On stability of switched nonlinear systems with time-scaling transformation. <i>International Journal of Systems Science</i> , 2017 , 48, 2120-2127	2.3	1
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48	Stability analysis of switched positive nonlinear systems: an invariant ray approach. <i>Science China Information Sciences</i> , 2019 , 62, 1	3-4	1
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45	Robust Fault Diagnosis Design for Linear Multiagent Systems with Incipient Faults. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-7	1.1	1
44	Formation tracking control of nonholonomic chained form systems 2013 ,		1
43	Adaptive fault-tolerant control design for UAVs formation flight under actuator faults 2013 ,		1
42	Multi-model-based flight control system reconfiguration control in the presence of input constraints 2010 ,		1
41	Fault tolerant tracking control for Near Space Hypersonic Vehicle via neural network 2010 ,		1
40	Adaptation-Based Reconfiguration in the Presence of Actuator Faults with Non-Measurable Rates 2008 ,		1
39	Delay-dependent robust fault detection for a class of nonlinear time-delay systems 2008 ,		1
38	The integrated application on adaptive control of unmanned combat aerial vehicles 2008 ,		1
37	Fault accommodation for a class of nonlinear flight control systems		1
36	An Intelligent Data-Driven Machine Learning Approach for Fault Detection of Wind Turbines 2021 ,		1
35	Distributed Fault-Tolerant Consensus Tracking of Multi-Agent Systems under Cyber-Attacks. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2022 , 1-12	7	1
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30	Fault-tolerant control for reentry hypersonic vehicle with blended aerodynamic surfaces and RCS 2016 ,		1
29	Decentralized fault tolerant control for tethered formation spacecraft 2016 ,		1
28	Multiple-model based actuator fault compensation for two linked 2WD mobile robots 2016 ,		1
27	Dissipativity-based fault estimation observer design for linear multi-agent systems with disturbances 2016 ,		1
26	Fault Detection and Estimation of Multi-Agent Systems: Neighborhood-Observer-Based Approach 2019 ,		1
25	Robust Adaptive Control for Non-minimum Phase Flexible Air-breathing Hypersonic Vehicles 2019 ,		1
24	A backstepping-based fault compensation scheme for a class of EulerBernoulli beam-ODE cascade systems. <i>International Journal of Control</i> , 2019 , 1-13	1.5	1
23	Adaptive compensation of persistent actuator failures of nonlinear systems. <i>International Journal of Adaptive Control and Signal Processing</i> , 2021 , 35, 373-400	2.8	1
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19	Modeling and control of hypersonic vehicle dynamic under centroid shift. <i>Advances in Mechanical Engineering</i> , 2018 , 10, 168781401879912	1.2	1
18	Fault tolerant consensus of multiple nonholonomic chained-form systems with actuator and communication faults. <i>International Journal of Robust and Nonlinear Control</i> ,	3.6	1
17	Resilient observer design of sensor fault estimation for discrete-time multi-agent systems: A distributed approach. <i>International Journal of Robust and Nonlinear Control</i> ,	3.6	1
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14	Decentralised state feedback stabilisation for nonlinear interconnected systems using sliding mode control*. <i>International Journal of Systems Science</i> ,1-14	2.3	0

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7	Integrated structure and precision control of flat voice coil actuator for non-contact satellite. <i>Journal of Engineering</i> , 2019 , 2019, 566-570	0.7	
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4	Control separation based fault accommodation for flexible hypersonic vehicles. <i>International Journal of Systems Science</i> , 2021 , 52, 2020-2033	2.3	
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1	Fault detection and diagnosis using statistic feature and improved broad learning for traction systems in high-speed trains. <i>IEEE Transactions on Artificial Intelligence</i> , 2022 , 1-1	4.7	