

Nader Meskin

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

218 papers	2,806 citations	26 h-index	43 g-index
257 ext. papers	3,743 ext. citations	3.7 avg, IF	6.14 L-index

#	Paper	IF	Citations
218	Actuator Fault Detection and Isolation for a Network of Unmanned Vehicles. <i>IEEE Transactions on Automatic Control</i> , 2009 , 54, 835-840	5.9	130
217	Simultaneous fault detection and consensus control design for a network of multi-agent systems. <i>Automatica</i> , 2016 , 66, 185-194	5.7	125
216	Sensor Fault Detection, Isolation, and Identification Using Multiple-Model-Based Hybrid Kalman Filter for Gas Turbine Engines. <i>IEEE Transactions on Control Systems Technology</i> , 2016 , 24, 1184-1200	4.8	117
215	Fault Detection and Isolation of discrete-time Markovian jump linear systems with application to a network of multi-agent systems having imperfect communication channels. <i>Automatica</i> , 2009 , 45, 2032-2040	5.7	102
214	Fault detection and isolation of a dual spool gas turbine engine using dynamic neural networks and multiple model approach. <i>Information Sciences</i> , 2014 , 259, 234-251	7.7	86
213	A component map tuning method for performance prediction and diagnostics of gas turbine compressors. <i>Applied Energy</i> , 2014 , 135, 572-585	10.7	73
212	Distributed state estimation, fault detection and isolation filter design for heterogeneous multi-agent linear parameter-varying systems. <i>IET Control Theory and Applications</i> , 2017 , 11, 254-262	2.5	68
211	A Multiple Model-Based Approach for Fault Diagnosis of Jet Engines. <i>IEEE Transactions on Control Systems Technology</i> , 2013 , 21, 254-262	4.8	66
210	Adaptive sliding mode observer for sensor fault diagnosis of an industrial gas turbine. <i>Control Engineering Practice</i> , 2015 , 38, 57-74	3.9	61
209	Event-triggered fault detection and isolation for discrete-time linear systems. <i>IET Control Theory and Applications</i> , 2016 , 10, 526-533	2.5	55
208	. <i>IEEE Transactions on Industrial Informatics</i> , 2017 , 13, 298-311	11.9	52
207	A dynamic prognosis scheme for flexible operation of gas turbines. <i>Applied Energy</i> , 2016 , 164, 686-701	10.7	52
206	Transient Gas Turbine Performance Diagnostics Through Nonlinear Adaptation of Compressor and Turbine Maps. <i>Journal of Engineering for Gas Turbines and Power</i> , 2015 , 137,	1.7	50
205	Robust fault detection and isolation of time-delay systems using a geometric approach. <i>Automatica</i> , 2009 , 45, 1567-1573	5.7	50
204	Cybersecurity for industrial control systems: A survey. <i>Computers and Security</i> , 2020 , 89, 101677	4.9	48
203	Sensor fault detection and isolation of an industrial gas turbine using partial adaptive KPCA. <i>Journal of Process Control</i> , 2018 , 64, 37-48	3.9	46
202	A Geometric Approach to Fault Detection and Isolation of Continuous-Time Markovian Jump Linear Systems. <i>IEEE Transactions on Automatic Control</i> , 2010 , 55, 1343-1357	5.9	41

201	Nonlinear Fault Diagnosis of Jet Engines by Using a Multiple Model-Based Approach. <i>Journal of Engineering for Gas Turbines and Power</i> , 2012 , 134,	1.7	41
200	SCADA System Testbed for Cybersecurity Research Using Machine Learning Approach. <i>Future Internet</i> , 2018 , 10, 76	3.3	41
199	Closed-loop control of anesthesia and mean arterial pressure using reinforcement learning. <i>Biomedical Signal Processing and Control</i> , 2015 , 22, 54-64	4.9	40
198	Multiple-Model Sensor and Components Fault Diagnosis in Gas Turbine Engines Using Autoassociative Neural Networks. <i>Journal of Engineering for Gas Turbines and Power</i> , 2014 , 136,	1.7	38
197	Reinforcement learning-based control of drug dosing for cancer chemotherapy treatment. <i>Mathematical Biosciences</i> , 2017 , 293, 11-20	3.9	37
196	Nonlinear Suboptimal Tracking Controller Design Using State-Dependent Riccati Equation Technique. <i>IEEE Transactions on Control Systems Technology</i> , 2017 , 25, 1833-1839	4.8	33
195	A Distributed Control Reconfiguration and Accommodation for Consensus Achievement of Multiagent Systems Subject to Actuator Faults. <i>IEEE Transactions on Control Systems Technology</i> , 2016 , 24, 2031-2047	4.8	32
194	Fault Detection and Isolation 2011 ,		31
193	A Hybrid Fault Detection and Isolation Strategy for a Network of Unmanned Vehicles in Presence of Large Environmental Disturbances. <i>IEEE Transactions on Control Systems Technology</i> , 2010 ,	4.8	27
192	An H _∞ cooperative fault recovery control of multi-agent systems. <i>Automatica</i> , 2017 , 84, 101-108	5.7	26
191	Sensor data validation and fault diagnosis using Auto-Associative Neural Network for HVAC systems. <i>Journal of Building Engineering</i> , 2020 , 27, 100935	5.2	26
190	Derivative-driven window-based regression method for gas turbine performance prognostics. <i>Energy</i> , 2017 , 128, 302-311	7.9	25
189	Event-Triggered Suboptimal Tracking Controller Design for a Class of Nonlinear Discrete-Time Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 8079-8087	8.9	24
188	Robust sensor fault detection and isolation of gas turbine engines subjected to time-varying parameter uncertainties. <i>Mechanical Systems and Signal Processing</i> , 2016 , 76-77, 136-156	7.8	23
187	Multiple sensor fault diagnosis by evolving data-driven approach. <i>Information Sciences</i> , 2014 , 259, 346-358	5.7	23
186	Prognosis and Health Monitoring of Nonlinear Systems Using a Hybrid Scheme Through Integration of PFs and Neural Networks. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 1990-2004	7.3	23
185	A Dual-Isolation-Forests-Based Attack Detection Framework for Industrial Control Systems. <i>IEEE Access</i> , 2020 , 8, 36639-36651	3.5	22
184	Fault Detection and Isolation of Distributed Time-Delay Systems. <i>IEEE Transactions on Automatic Control</i> , 2009 , 54, 2680-2685	5.9	22

183	A Comprehensive Review of the Cyber-Attacks and Cyber-Security on Load Frequency Control of Power Systems. <i>Energies</i> , 2020 , 13, 3860	3.1	22
182	State-space LPV model identification using kernelized machine learning. <i>Automatica</i> , 2018 , 88, 38-47	5.7	21
181	An improved robust model predictive control for linear parameter-varying input-output models. <i>International Journal of Robust and Nonlinear Control</i> , 2018 , 28, 859-880	3.6	21
180	A Negative Selection Immune System Inspired Methodology for Fault Diagnosis of Wind Turbines. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 3799-3813	10.2	21
179	Fault-tolerant control of non-linear systems based on adaptive virtual actuator. <i>IET Control Theory and Applications</i> , 2017 , 11, 1371-1379	2.5	20
178	Crosstalk between HER2 and PD-1/PD-L1 in Breast Cancer: From Clinical Applications to Mathematical Models. <i>Cancers</i> , 2020 , 12,	6.6	19
177	Event-Triggered Fault Detection for Networked Control Systems Subject to Packet Dropout. <i>Asian Journal of Control</i> , 2018 , 20, 2195-2206	1.7	18
176	Multiscale denoising of biological data: a comparative analysis. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2012 , 9, 1539-44	3	18
175	A Robust MPC for Input-Output LPV Models. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 4183-4188.	3.9	18
174	A Dendritic Cell Immune System Inspired Scheme for Sensor Fault Detection and Isolation of Wind Turbines. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 545-555	11.9	17
173	Fault Detection and Isolation of Actuator Faults in Spacecraft Formation Flight 2006 ,		17
172	Dynamic performance simulation and control of gas turbines used for hybrid gas/wind energy applications. <i>Applied Thermal Engineering</i> , 2019 , 147, 122-142	5.8	17
171	Optimal adaptive control of drug dosing using integral reinforcement learning. <i>Mathematical Biosciences</i> , 2019 , 309, 131-142	3.9	16
170	. <i>IEEE Transactions on Control Systems Technology</i> , 2016 , 24, 1883-1891	4.8	16
169	Multiple-model based sensor fault diagnosis using hybrid kalman filter approach for nonlinear gas turbine engines 2013 ,		16
168	Distributed reconfigurable control strategies for switching topology networked multi-agent systems. <i>ISA Transactions</i> , 2017 , 71, 51-67	5.5	15
167	Parameter estimation of biological phenomena: an unscented Kalman filter approach. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2013 , 10, 537-43	3	15
166	Dynamic Performance Simulation of an Aero-derivative Gas Turbine Using the Matlab Simulink Environment 2013 ,		15

165	Fault Detection and Isolation of Actuator Faults in Overactuated Systems. <i>Proceedings of the American Control Conference</i> , 2007 ,	1.2	15
164	A Bayesian Approach for LPV Model Identification and Its Application to Complex Processes. <i>IEEE Transactions on Control Systems Technology</i> , 2017 , 25, 2160-2167	4.8	13
163	Distributed fault detection and isolation filter design for heterogeneous multi-agent LPV systems 2017 ,		13
162	2014 ,		13
161	Intervention in biological phenomena modeled by S-systems. <i>IEEE Transactions on Biomedical Engineering</i> , 2011 , 58, 1260-7	5	13
160	Distributed simultaneous fault detection and leader-following consensus control for multi-agent systems. <i>ISA Transactions</i> , 2019 , 87, 129-142	5.5	13
159	A Dual Particle Filter-Based Fault Diagnosis Scheme for Nonlinear Systems. <i>IEEE Transactions on Control Systems Technology</i> , 2018 , 26, 1317-1334	4.8	12
158	Geometric fault detection and isolation of two-dimensional (2D) systems 2013 ,		12
157	Fault-tolerant control of linear systems using adaptive virtual actuator. <i>International Journal of Control</i> , 2019 , 92, 1729-1741	1.5	12
156	Event-triggered simultaneous fault detection and tracking control for multi-agent systems. <i>International Journal of Control</i> , 2019 , 92, 1928-1944	1.5	12
155	Reinforcement learning-based control of tumor growth under anti-angiogenic therapy. <i>Computer Methods and Programs in Biomedicine</i> , 2019 , 173, 15-26	6.9	11
154	Robust consensus of autonomous underactuated surface vessels. <i>IET Control Theory and Applications</i> , 2017 , 11, 486-494	2.5	11
153	Fault Detection and Isolation of Linear Impulsive Systems. <i>IEEE Transactions on Automatic Control</i> , 2011 , 56, 1905-1910	5.9	11
152	Fault Diagnosis of Jet Engines by Using a Multiple Model-Based Approach 2010 ,		11
151	Fault Detection and Isolation in a redundant reaction wheels configuration of a satellite 2007 ,		11
150	Sensor Fault Detection and Isolation via Networked Estimation: Full-Rank Dynamical Systems. <i>IEEE Transactions on Control of Network Systems</i> , 2021 , 8, 987-996	4	11
149	Fault detection and isolation of two-dimensional (2D) systems. <i>Systems and Control Letters</i> , 2017 , 99, 25-32	2.4	10
148	Sensor Fault Detection and Isolation of an Industrial Gas Turbine Using Partial Kernel PCA. <i>IFAC-PapersOnLine</i> , 2015 , 48, 1389-1396	0.7	10

147	Simultaneous fault detection and control design for a network of multi-agent systems 2014 ,		10
146	Application of data-driven attack detection framework for secure operation in smart buildings. <i>Sustainable Cities and Society</i> , 2021 , 69, 102816	10.1	10
145	A review of mathematical model-based scenario analysis and interventions for COVID-19. <i>Computer Methods and Programs in Biomedicine</i> , 2021 , 209, 106301	6.9	10
144	On design of suboptimal tracking controller for a class of nonlinear systems 2016 ,		9
143	A general multicompartment lung mechanics model with nonlinear resistance and compliance respiratory parameters 2014 ,		9
142	Fault-tolerant control of multi-agent systems based on adaptive fault hiding framework 2017 ,		9
141	Event-triggered fault detection, isolation and control design of linear systems 2015 ,		9
140	Fuzzy intervention in biological phenomena. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2012 , 9, 1819-25	3	9
139	A Cyber-Security Methodology for a Cyber-Physical Industrial Control System Testbed. <i>IEEE Access</i> , 2021 , 9, 16239-16253	3.5	9
138	An output-feedback adaptive control architecture for mitigating actuator attacks in cyber-physical systems. <i>International Journal of Adaptive Control and Signal Processing</i> , 2019 , 33, 943-955	2.8	8
137	A single dynamic observer-based module for design of simultaneous fault detection, isolation and tracking control scheme. <i>International Journal of Control</i> , 2018 , 91, 508-523	1.5	8
136	Cost performance based control reconfiguration in multi-agent systems 2014 ,		8
135	Event-triggered constant reference tracking control for discrete-time LPV systems with application to a laboratory tank system. <i>IET Control Theory and Applications</i> , 2017 , 11, 2680-2687	2.5	8
134	A hybrid prognosis and health monitoring strategy by integrating particle filters and neural networks for gas turbine engines 2015 ,		8
133	An MPC approach for LPV systems in input-output form 2015 ,		8
132	A geometric approach to robust Fault Detection and Isolation of discrete-time Markovian jump systems 2008 ,		8
131	Event-triggered robust fault diagnosis and control of linear Roesser systems: A unified framework. <i>Automatica</i> , 2021 , 128, 109575	5.7	8
130	Reinforcement learning-based decision support system for COVID-19. <i>Biomedical Signal Processing and Control</i> , 2021 , 68, 102676	4.9	8

129	Ensemble Kalman Filters for State Estimation and Prediction of Two-Time Scale Nonlinear Systems With Application to Gas Turbine Engines. <i>IEEE Transactions on Control Systems Technology</i> , 2019 , 27, 2565-2573	4.8	8
128	A nonovershooting tracking controller for simultaneous infusion of anesthetics and analgesics. <i>Biomedical Signal Processing and Control</i> , 2019 , 49, 375-387	4.9	8
127	Adaptive sliding modeBased diagnosis of actuator faults for LPV systems. <i>International Journal of Adaptive Control and Signal Processing</i> , 2017 , 31, 1265-1272	2.8	7
126	Stochastic event-triggered particle filtering for state estimation 2016 ,		7
125	Robust cooperative control reconfiguration/recovery in multi-agent systems 2014 ,		7
124	An Efficient Component Map Generation Method for Prediction of Gas Turbine Performance 2014 ,		7
123	Hybrid fault detection and isolation strategy for non-linear systems in the presence of large environmental disturbances. <i>IET Control Theory and Applications</i> , 2010 , 4, 2879-2895	2.5	7
122	Parameter estimation of biological phenomena modeled by S-systems: An Extended Kalman filter approach 2011 ,		7
121	Event-triggered control for discrete-time linear parameter-varying systems 2016 ,		6
120	Robust distributed consensus of autonomous underwater vehicles in 3D space 2016 ,		6
119	Automatic blood glucose control for type 1 diabetes: A trade-off between postprandial hyperglycemia and hypoglycemia. <i>Biomedical Signal Processing and Control</i> , 2019 , 54, 101603	4.9	6
118	Simultaneous fault detection, isolation and control tracking design using a single observer-based module 2014 ,		6
117	Simultaneous fault detection and control design for an autonomous unmanned underwater vehicle 2013 ,		6
116	Event-triggered fault detection for discrete-time linear systems 2015 ,		6
115	An IV-SVM-based approach for identification of state-space LPV models under generic noise conditions 2015 ,		6
114	Parameter Set-mapping using kernel-based PCA for linear parameter-varying systems 2014 ,		6
113	A novel particle filter parameter prediction scheme for failure prognosis 2014 ,		6
112	Particle filtering for state and parameter estimation in gas turbine engine fault diagnostics 2013 ,		6

111	Nonlinear Fault Diagnosis of Jet Engines by Using a Multiple Model-Based Approach 2011 ,		6
110	Distributed Fast Fault Detection in DC Microgrids. <i>IEEE Systems Journal</i> , 2020 , 1-12	4.3	6
109	A New Approach to Robust MPC Design for LPV Systems in Input-Output Form. <i>IFAC-PapersOnLine</i> , 2018 , 51, 112-117	0.7	6
108	An improved particle filtering-based approach for health prediction and prognosis of nonlinear systems. <i>Journal of the Franklin Institute</i> , 2018 , 355, 3753-3794	4	5
107	Design and real-time implementation of actuator fault-tolerant control for differential-drive mobile robots based on multiple-model approach. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2018 , 232, 652-661	1	5
106	A Kernel-based Approach to MIMO LPV State-space Identification and Application to a Nonlinear Process System. <i>IFAC-PapersOnLine</i> , 2015 , 48, 85-90	0.7	5
105	LEARNING-BASED CONTROL OF CANCER CHEMOTHERAPY TREATMENT. <i>IFAC-PapersOnLine</i> , 2017 , 50, 15127-15132	0.7	5
104	Integrated design of fault detection, isolation, and control for continuous-time Markovian jump systems. <i>International Journal of Adaptive Control and Signal Processing</i> , 2017 , 31, 1903-1919	2.8	5
103	A support vector machine-based method for LPV-ARX identification with noisy scheduling parameters 2014 ,		5
102	Finite-Time Stability Under Denial of Service. <i>IEEE Systems Journal</i> , 2021 , 15, 1048-1055	4.3	5
101	Event-triggered fault detection for discrete-time LPV systems with application to a laboratory tank system. <i>International Journal of Adaptive Control and Signal Processing</i> , 2018 , 32, 1591-1606	2.8	5
100	An Overview of Cooperative and Consensus Control of Multiagent Systems 2016 , 1-35		4
99	Integrated fault detection, isolation and control design for continuous-time Markovian jump systems with uncertain transition probabilities 2014 ,		4
98	Multi-zone HVAC control system design using feedback linearization 2017 ,		4
97	Health Monitoring and Degradation Prognostics in Gas Turbine Engines Using Dynamic Neural Networks 2015 ,		4
96	Sensor fault detection and isolation using multiple robust filters for linear systems with time-varying parameter uncertainty and error variance constraints 2014 ,		4
95	Unobservability Subspaces For Continuous-time Markovian Jump Systems with Application to Fault Diagnosis. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009 , 42, 953-958		4
94	A geometric approach to Fault Detection and Isolation of neutral time-delay systems 2008 ,		4

93	Nonlinear Geometric Approach to Fault Detection and Isolation in an Aircraft Nonlinear Longitudinal Model. <i>Proceedings of the American Control Conference</i> , 2007 ,	1.2	4
92	Distributed Event-Triggered Consensus-Based Control of DC Microgrids in Presence of DoS Cyber Attacks. <i>IEEE Access</i> , 2021 , 9, 54009-54021	3.5	4
91	Performance assessment of classical and fractional controllers for transient operation of gas turbine engines. <i>IFAC-PapersOnLine</i> , 2018 , 51, 687-692	0.7	4
90	Sensor fault detection and isolation of an autonomous underwater vehicle using partial kernel PCA 2015 ,		3
89	Event-triggered fault detection for discrete-time linear multi-agent systems 2016 ,		3
88	Event-triggered fault estimation and accommodation design for linear systems 2016 ,		3
87	LPV model development and control of a solution copolymerization reactor. <i>Control Engineering Practice</i> , 2016 , 48, 98-110	3.9	3
86	Output feedback sliding mode control for a linear multi-compartment lung mechanics system. <i>International Journal of Control</i> , 2014 , 1-12	1.5	3
85	Fault detection and isolation of the wind turbine based on the real-valued negative selection algorithm 2013 ,		3
84	Reconfigurable control of linear systems based on state feedback adaptive virtual actuator 2017 ,		3
83	Reinforcement learning-based control for combined infusion of sedatives and analgesics 2017 ,		3
82	Fault detection and isolation of linear impulsive systems 2009 ,		3
81	Fault Detection and Isolation of Retarded Time-Delay Systems Using A Geometric Approach. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2008 , 41, 7326-7331		3
80	A Modular Approach for a Patient Unit for Extracorporeal Membrane Oxygenation Simulator. <i>Membranes</i> , 2021 , 11,	3.8	3
79	An adaptive sliding mode observer for linear systems under malicious attack 2016 ,		3
78	Determination of Security Index for Linear Cyber-Physical Systems Subject to Malicious Cyber Attacks* 2019 ,		3
77	Observer-Based Leader-Following Consensus for Linear Multiagent Systems With a Leader of Unknown Input. <i>IEEE Systems Journal</i> , 2021 , 15, 95-104	4.3	3
76	Output Feedback Fault-Tolerant Control of Heterogeneous Multi-Agent Systems. <i>Asian Journal of Control</i> , 2021 , 23, 949-961	1.7	3

75	Mathematical Models of Cancer and Different Therapies. <i>Series in Bioengineering</i> , 2021 ,	0.7	3
74	Performance and energy optimization of building automation and management systems: Towards smart sustainable carbon-neutral sports facilities. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 162, 112401	16.2	3
73	Event-triggered fault detection for discrete-time LPV systems 2016 ,		2
72	Direct adaptive disturbance rejection control for sedation and analgesia 2014 ,		2
71	Fault detection and isolation of Riesz spectral systems: A geometric approach 2014 ,		2
70	Stochastic model predictive tracking of piecewise constant references for LPV systems. <i>IET Control Theory and Applications</i> , 2017 , 11, 1862-1872	2.5	2
69	A geometric approach to fault detection and isolation of multi-dimensional (n-D) systems. <i>Multidimensional Systems and Signal Processing</i> , 2017 , 28, 1653-1678	1.8	2
68	Actuator fault detection and isolation of differential drive mobile robots using multiple model algorithm 2017 ,		2
67	A Bayesian approach for model identification of LPV systems with uncertain scheduling variables 2015 ,		2
66	Closed-loop control of anesthesia and mean arterial pressure using reinforcement learning 2014 ,		2
65	Wavelet-based Multiscale Filtering of Genomic Data 2012 ,		2
64	Fault Detection and Isolation Strategy for a Network of Unmanned Vehicles in Presence of Large Environmental Disturbances 2009 ,		2
63	Finite Unobservability Subspaces for Time-Delay Systems with Application to Fault Detection and Isolation. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009 , 42, 215-220		2
62	Fault Consensus in a Network of Unmanned Vehicles. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009 , 42, 1001-1006		2
61	Fault tolerant cooperative control for UAV rendezvous problem subject to actuator faults 2007 ,		2
60	2021 ,		2
59	Integrated Fault Diagnosis and Control Design of Linear Complex Systems 2018 ,		2
58	Fault-tolerant control of nonlinear heterogeneous multi-agent systems. <i>Automatica</i> , 2021 , 127, 109514	5.7	2

57	Global stabilization of autonomous underactuated underwater vehicles in 3D space 2016 ,	2
56	Fast Fault Detection of Synchronous Generators 2019 ,	2
55	Novel Actuator Fault Diagnosis Framework for Multizone HVAC Systems Using 2-D Convolutional Neural Networks. <i>IEEE Transactions on Automation Science and Engineering</i> , 2021 , 1-12	4.9 2
54	. <i>IEEE Access</i> , 2021 , 9, 88327-88347	3.5 2
53	Actuator Fault Tolerant Control in a Team of Mobile Robots 2018 ,	2
52	Adaptive sliding mode control for a general nonlinear multicompartment lung model with input pressure and rate saturation constraints. <i>International Journal of Robust and Nonlinear Control</i> , 2016 , 26, 719-736	3.6 1
51	Mitigation and Resiliency of Multi-Agent Systems Subject to Malicious Cyber Attacks on Communication Links 2020 ,	1
50	Actuator Fault Diagnosis in Multi-Zone HVAC Systems using 2D Convolutional Neural Networks 2020 ,	1
49	Control reconfiguration for multiple autonomous vehicles subject to actuator faults and disturbances 2016 ,	1
48	Event-triggered simultaneous fault detection and consensus control for linear multi-agent systems 2016 ,	1
47	Forecasting the health of gas turbine components through an integrated performance-based approach 2016 ,	1
46	Output-feedback sliding mode control for a linear multicompartment lung mechanics system 2013 ,	1
45	Stochastic model predictive control for LPV systems 2017 ,	1
44	Event-triggered based consensus of autonomous underactuated surface vessels 2017 ,	1
43	Event-triggered fault detection for networked control systems subject to packet dropout 2017 ,	1
42	Optimal Control of Midazolam Infusion for Post Operative Patients in Intensive Care Units. <i>Asian Journal of Control</i> , 2015 , 17, 675-686	1.7 1
41	Reduced LPV model development and control of a solution copolymerization reactor 2015 ,	1
40	A Mechanistic Neural Field Theory of How Anesthesia Suppresses Consciousness: Synaptic Drive Dynamics, Bifurcations, Attractors, and Partial State Equipartitioning. <i>Journal of Mathematical Neuroscience</i> , 2015 , 5, 20	2.4 1

39	A novel affine qLPV model derivation method for fault diagnosis H ₂ performance improvement 2015 ,		1
38	Optimal Determination of Respiratory Airflow Patterns for a General Multicompartment Lung Mechanics System With Nonlinear Resistance and Compliance Parameters. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2015 , 137,	1.6	1
37	Robust Hybrid EKF approach for state estimation in multi-scale nonlinear singularly perturbed systems 2014 ,		1
36	Fault detection and isolation of Fornasini-Marchesini 2D systems: A geometric approach 2014 ,		1
35	Output-feedback model predictive control of biological phenomena modeled by S-systems 2012 ,		1
34	Fault Diagnosis in a Network of Unmanned Aerial Vehicles with Imperfect Communication Channels 2009 ,		1
33	LPV modeling of nonlinear systems: A multi-path feedback linearization approach. <i>International Journal of Robust and Nonlinear Control</i> , 2021 , 31, 9436	3.6	1
32	Fault Tolerant Controller Schemes for Single and Multiple Mobile Robots. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 3-56	0.4	1
31	Distributed Event-Triggered Consensus-Based Control for Current Sharing and Voltage Stabilization of DC Microgrids. <i>IFAC-PapersOnLine</i> , 2020 , 53, 12912-12917	0.7	1
30	Simultaneous actuator fault estimation and fault-tolerant tracking control for multi-agent systems: a sliding-mode observer-based approach. <i>International Journal of Control</i> , 2020 , 1-14	1.5	1
29	Flow-based intrusion detection algorithm for supervisory control and data acquisition systems: A real-time approach. <i>IET Cyber-Physical Systems: Theory and Applications</i> , 2021 , 6, 178-191	2.5	1
28	A Neural Field Theory for Loss of Consciousness 2016 , 93-162		1
27	2016 ,		1
26	Suboptimal control reconfiguration in switched multi-agent networked systems 2016 ,		1
25	Finite Frequency Fault Diagnosis for Heterogeneous Multi-agent LPV Systems 2019 ,		1
24	Actuator Fault Estimation for Multi-agent Systems: A Sliding-mode Observer-based Approach 2019 ,		1
23	Protocol-Based Particle Filtering and Divergence Estimation. <i>IEEE Systems Journal</i> , 2021 , 15, 4537-4544	4.3	1
22	Mission independent fault-tolerant control of heterogeneous linear multiagent systems based on adaptive virtual actuator. <i>International Journal of Adaptive Control and Signal Processing</i> , 2021 , 35, 401-419	2.8	1

21	A Functional Unknown Input Observer for Linear Singular Fornasini-Marchesini First Model Systems: With Application to Fault Diagnosis. <i>IEEE Systems Journal</i> , 2021 , 15, 4093-4104	4.3	1
20	A Nonovershooting Controller with Integral Action for Multi-input Multi-output Drug Dosing Control. <i>IFAC-PapersOnLine</i> , 2018 , 51, 60-65	0.7	1
19	HVAC system attack detection dataset. <i>Data in Brief</i> , 2021 , 37, 107166	1.2	1
18	Adaptive cooperative control of nonlinear multi-agent systems with uncertain time-varying control directions and dead-zone nonlinearity. <i>Neurocomputing</i> , 2021 , 464, 151-163	5.4	1
17	A Novel Proportional Navigation Based Method for Robotic Interception Planning With Final Velocity Control. <i>IEEE Access</i> , 2021 , 9, 106428-106440	3.5	1
16	Neural network-based model predictive control system for optimizing building automation and management systems of sports facilities. <i>Applied Energy</i> , 2022 , 318, 119153	10.7	1
15	Reinforcement learning-based control of drug dosing with applications to anesthesia and cancer therapy 2020 , 251-297		0
14	Model-Free Geometric Fault Detection and Isolation for Nonlinear Systems Using Koopman Operator. <i>IEEE Access</i> , 2022 , 10, 14835-14845	3.5	0
13	Reinforcement Learning-based Control of Signalized Intersections having Platoons. <i>IEEE Access</i> , 2022 , 1-1	3.5	0
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