

Khashayar Khorasani

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277
papers

5,762
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41
h-index

66
g-index

338
ext. papers

7,094
ext. citations

4.2
avg. IF

6.51
L-index

#	Paper	IF	Citations
277	An integral manifold approach to the feedback control of flexible joint robots. <i>IEEE Journal of Robotics and Automation</i> , 1987 , 3, 291-300		299
276	Deep Convolutional Neural Networks and Learning ECG Features for Screening Paroxysmal Atrial Fibrillation Patients. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018 , 48, 2095-2104	7.3	172
275	A recurrent neural-network-based sensor and actuator fault detection and isolation for nonlinear systems with application to the satellite's attitude control subsystem. <i>IEEE Transactions on Neural Networks</i> , 2009 , 20, 45-60		159
274	Multi-agent team cooperation: A game theory approach. <i>Automatica</i> , 2009 , 45, 2205-2213	5.7	156
273	Optimal consensus algorithms for cooperative team of agents subject to partial information. <i>Automatica</i> , 2008 , 44, 2766-2777	5.7	143
272	Dynamic neural network-based fault diagnosis of gas turbine engines. <i>Neurocomputing</i> , 2014 , 125, 153-164	5.4	133
271	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
270	Simultaneous fault detection and consensus control design for a network of multi-agent systems. <i>Automatica</i> , 2016 , 66, 185-194	5.7	125
269	Facial expression recognition using constructive feedforward neural networks. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2004 , 34, 1588-95		121
268	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
267	. <i>IEEE Transactions on Reliability</i> , 2021 , 70, 728-748	4.6	107
266	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
265	\mathcal{H}_{∞} Consensus Achievement of Multi-Agent Systems With Directed and Switching Topology Networks. <i>IEEE Transactions on Automatic Control</i> , 2014 , 59, 3104-3109	5.9	98
264	Team Consensus for a Network of Unmanned Vehicles in Presence of Actuator Faults. <i>IEEE Transactions on Control Systems Technology</i> , 2010 , 18, 1155-1161	4.8	87
263	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
262	Distributed Fault Detection and Isolation Filter Design for a Network of Heterogeneous Multiagent Systems. <i>IEEE Transactions on Control Systems Technology</i> , 2014 , 22, 1061-1069	4.8	85
261	Constructive feedforward neural networks using hermite polynomial activation functions. <i>IEEE Transactions on Neural Networks</i> , 2005 , 16, 821-33		84

260	An Adaptive Structure Neural Networks with Application to EEG Automatic Seizure Detection. <i>Neural Networks</i> , 1996 , 9, 1223-1240	9.1	84
259	An ensemble of dynamic neural network identifiers for fault detection and isolation of gas turbine engines. <i>Neural Networks</i> , 2016 , 76, 106-121	9.1	83
258	New training strategies for constructive neural networks with application to regression problems. <i>Neural Networks</i> , 2004 , 17, 589-609	9.1	77
257	Fault detection and isolation of gas turbine engines using a bank of neural networks. <i>Journal of Process Control</i> , 2015 , 36, 22-41	3.9	74
256	Parameter Estimation-Based Fault Detection, Isolation and Recovery for Nonlinear Satellite Models. <i>IEEE Transactions on Control Systems Technology</i> , 2008 , 16, 799-808	4.8	69
255	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
254	Application of a radial basis function (RBF) neural network for fault diagnosis in a HVDC system. <i>IEEE Transactions on Power Systems</i> , 1998 , 13, 177-183	7	63
253	Adaptive time delay neural network structures for nonlinear system identification. <i>Neurocomputing</i> , 2002 , 47, 207-240	5.4	56
252	An integral manifold approach for tip-position tracking of flexible multi-link manipulators. <i>IEEE Transactions on Automation Science and Engineering</i> , 1997 , 13, 823-837		54
251	. <i>IEEE Transactions on Industrial Informatics</i> , 2017 , 13, 298-311	11.9	52
250	Stochastic Analysis of the FXLMS-Based Narrowband Active Noise Control System. <i>IEEE Transactions on Audio Speech and Language Processing</i> , 2008 , 16, 1000-1014		51
249	A new strategy for adaptively constructing multilayer feedforward neural networks. <i>Neurocomputing</i> , 2003 , 51, 361-385	5.4	51
248	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
247	A New Fault Diagnosis of Multifunctional Spoiler System Using Integrated Artificial Neural Network and Discrete Wavelet Transform Methods. <i>IEEE Sensors Journal</i> , 2018 , 18, 4990-5001	4	50
246	Robust fault detection and isolation of time-delay systems using a geometric approach. <i>Automatica</i> , 2009 , 45, 1567-1573	5.7	50
245	A Neural Network-Based Multiplicative Actuator Fault Detection and Isolation of Nonlinear Systems. <i>IEEE Transactions on Control Systems Technology</i> , 2013 , 21, 842-851	4.8	48
244	Optimal consensus seeking in a network of multiagent systems: an LMI approach. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2010 , 40, 540-7		48
243	A neural-network-based controller for a single-link flexible manipulator using the inverse dynamics approach. <i>IEEE Transactions on Industrial Electronics</i> , 2001 , 48, 1074-1086	8.9	48

242	Dynamic neural networks for gas turbine engine degradation prediction, health monitoring and prognosis. <i>Neural Computing and Applications</i> , 2016 , 27, 2157-2192	4.8	44
241	End-point control of a flexible-link manipulator: theory and experiments. <i>IEEE Transactions on Control Systems Technology</i> , 1997 , 5, 556-570	4.8	43
240	Neural network based control schemes for flexible-link manipulators: simulations and experiments. <i>Neural Networks</i> , 1998 , 11, 1357-1377	9.1	43
239	Fault recovery of an under-actuated quadrotor Aerial Vehicle 2010 ,		41
238	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
237	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
236	A New Robust Narrowband Active Noise Control System in the Presence of Frequency Mismatch. <i>IEEE Transactions on Audio Speech and Language Processing</i> , 2006 , 14, 2189-2200		41
235	Data-driven fault detection, isolation and estimation of aircraft gas turbine engine actuator and sensors. <i>Mechanical Systems and Signal Processing</i> , 2018 , 100, 415-438	7.8	40
234	Modeling and Control of Linear Two-time Scale Systems: Applied to Single-Link Flexible Manipulator. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2006 , 45, 235-265	2.9	40
233	Actuator fault accommodation strategy for a team of multi-agent systems subject to switching topology. <i>Automatica</i> , 2015 , 62, 200-207	5.7	38
232	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
231	An inverse dynamics control strategy for tip position tracking of flexible multi-link manipulators. <i>Journal of Field Robotics</i> , 1997 , 14, 649-658		38
230	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2011 , 47, 2435-2456	3.7	36
229	A data-driven approach to actuator and sensor fault detection, isolation and estimation in discrete-time linear systems. <i>Automatica</i> , 2017 , 85, 165-178	5.7	35
228	Fault Diagnosis of Nonlinear Systems Using a Hybrid Approach. <i>Lecture Notes in Control and Information Sciences</i> , 2009 ,	0.5	35
227	Optimal hybrid fault recovery in a team of unmanned aerial vehicles. <i>Automatica</i> , 2012 , 48, 410-418	5.7	33
226	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
225	Cooperative actuator fault accommodation in formation flight of unmanned vehicles using relative measurements. <i>International Journal of Control</i> , 2011 , 84, 876-894	1.5	32

224	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2012 , 48, 1428-1450	3.7	31
223	Fault Detection and Isolation 2011 ,		31
222	Distributed and cooperative quaternion-based attitude synchronization and tracking control for a network of heterogeneous spacecraft formation flying mission. <i>Journal of the Franklin Institute</i> , 2015 , 352, 3885-3913	4	30
221	An optimal cooperation in a team of agents subject to partial information. <i>International Journal of Control</i> , 2009 , 82, 571-583	1.5	28
220	Control of a flexible-joint robot using neural networks. <i>IEEE Transactions on Control Systems Technology</i> , 1997 , 5, 453-462	4.8	28
219	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
218	Identification of a two-link flexible manipulator using adaptive time delay neural networks. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2000 , 30, 165-72		27
217	An H _∞ cooperative fault recovery control of multi-agent systems. <i>Automatica</i> , 2017 , 84, 101-108	5.7	26
216	A New Fault Prognosis of MFS System Using Integrated Extended Kalman Filter and Bayesian Method. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 1-1	11.9	25
215	Robust observer-based fault diagnosis for an unmanned aerial vehicle 2011 ,		24
214	Computationally intelligent strategies for robust fault detection, isolation, and identification of mobile robots. <i>Neurocomputing</i> , 2016 , 171, 335-346	5.4	23
213	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
212	A distributed model predictive control (MPC) fault reconfiguration strategy for formation flying satellites. <i>International Journal of Control</i> , 2016 , 89, 960-983	1.5	23
211	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
210	A pulsed plasma thruster fault detection and isolation strategy for formation flying of satellites. <i>Applied Soft Computing Journal</i> , 2010 , 10, 746-758	7.5	23
209	Constrained distributed cooperative synchronization and reconfigurable control of heterogeneous networked Euler-Lagrange multi-agent systems. <i>Information Sciences</i> , 2016 , 370-371, 578-597	7.7	22
208	Hybrid fault diagnosis of nonlinear systems using neural parameter estimators. <i>Neural Networks</i> , 2014 , 50, 12-32	9.1	22
207	Hierarchical Fault Diagnosis and Health Monitoring in Satellites Formation Flight. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2011 , 41, 223-239		22

206	Cooperative tracking control of Euler-Lagrange systems with switching communication network topologies 2010 ,		22
205	Fault Detection and Isolation of Distributed Time-Delay Systems. <i>IEEE Transactions on Automatic Control</i> , 2009 , 54, 2680-2685	5.9	22
204	Hybrid multi-mode machine learning-based fault diagnosis strategies with application to aircraft gas turbine engines. <i>Neural Networks</i> , 2020 , 130, 126-142	9.1	21
203	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
202	Switching control of a modified leader-follower team of agents under the leader and network topological changes. <i>IET Control Theory and Applications</i> , 2011 , 5, 1369-1377	2.5	21
201	Optimal Control and Game Theoretic Approaches to Cooperative Control of a Team of Multi-Vehicle Unmanned Systems 2007 ,		20
200	A robust adaptive congestion control strategy for large scale networks with differentiated services traffic. <i>Automatica</i> , 2011 , 47, 26-38	5.7	19
199	Control of non-minimum phase singularly perturbed systems with application to flexible-link manipulators. <i>International Journal of Control</i> , 1996 , 63, 679-701	1.5	19
198	Fault detection and isolation of dissipative parabolic PDEs: Finite-dimensional geometric approach 2012 ,		18
197	Cooperative actuator fault accommodation in formation flight of unmanned vehicles using absolute measurements. <i>IET Control Theory and Applications</i> , 2012 , 6, 2805-2819	2.5	18
196	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
195	. <i>IEEE Transactions on Control Systems Technology</i> , 2016 , 24, 2158-2166	4.8	17
194	Fault Detection and Isolation of Actuator Faults in Spacecraft Formation Flight 2006 ,		17
193	Multiple-model based sensor fault diagnosis using hybrid kalman filter approach for nonlinear gas turbine engines 2013 ,		16
192	An inverse dynamics sliding control technique for flexible multi-link manipulators 1997 ,		16
191	Statistical performance of the memoryless nonlinear gradient algorithm for the constrained adaptive IIR notch filter. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2005 , 52, 1691-1702		16
190	Interactive Bank of Unscented Kalman Filters for Fault Detection and Isolation in Reaction Wheel Actuators of Satellite Attitude Control System. <i>Industrial Electronics Society (IECON), Annual Conference of IEEE</i> , 2006 ,		16
189	Adaptive formation control of UAVs in the presence of unknown vortex forces and leader commands 2006 ,		16

188	Distributed reconfigurable control strategies for switching topology networked multi-agent systems. <i>ISA Transactions</i> , 2017 , 71, 51-67	5.5	15
187	Fault Detection and Isolation of Actuator Faults in Overactuated Systems. <i>Proceedings of the American Control Conference</i> , 2007 ,	1.2	15
186	Fault detection and isolation of the attitude control subsystem of spacecraft formation flying using extended Kalman filters. <i>International Journal of Control</i> , 2015 , 88, 2154-2179	1.5	13
185	A robust semi-decentralized fault detection strategy for multi-agent systems. <i>International Journal of Intelligent Unmanned Systems</i> , 2013 , 1, 21-35	0.9	13
184	A distributed Kalman filter for actuator fault estimation of deep space formation flying satellites 2009 ,		13
183	Application of adaptive constructive neural networks to image compression. <i>IEEE Transactions on Neural Networks</i> , 2002 , 13, 1112-26		13
182	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
181	Cooperative Optimal Synchronization of Networked Uncertain Nonlinear Euler-Lagrange Heterogeneous Multi-Agent Systems With Switching Topologies. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2015 , 137,	1.6	12
180	Geometric fault detection and isolation of two-dimensional (2D) systems 2013 ,		12
179	Investigation into an artificial neural network based on-line current controller for an HVDC transmission link. <i>IEEE Transactions on Power Systems</i> , 1997 , 12, 1425-1431	7	12
178	A novel H _∞ control strategy for design of a robust dynamic routing algorithm in traffic networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2008 , 26, 706-718	14.2	12
177	Dynamic Neural Network-Based Fault Detection and Isolation for Thrusters in Formation Flying of Satellites. <i>Lecture Notes in Computer Science</i> , 2009 , 780-793	0.9	12
176	Feature leaning with deep Convolutional Neural Networks for screening patients with paroxysmal atrial fibrillation 2016 ,		11
175	. <i>IEEE Transactions on Control Systems Technology</i> , 2014 , 22, 2188-2204	4.8	11
174	Reconfigurable cooperative control of networked lagrangian systems under actuator saturation constraints. <i>IET Control Theory and Applications</i> , 2012 , 6, 578	2.5	11
173	Semi-decentralized nonlinear cooperative control strategies for a network of heterogeneous autonomous underwater vehicles. <i>International Journal of Robust and Nonlinear Control</i> , 2017 , 27, 2688-2707	3.6	11
172	Fault Detection and Isolation of Linear Impulsive Systems. <i>IEEE Transactions on Automatic Control</i> , 2011 , 56, 1905-1910	5.9	11
171	Multi-agent methodology for distributed and cooperative supervisory estimation subject to unreliable information. <i>IET Control Theory and Applications</i> , 2011 , 5, 606-621	2.5	11

170	. <i>IEEE Transactions on Industrial Electronics</i> , 2009 , 56, 608-617	8.9	11
169	A Hierarchical architecture for cooperative fault accommodation of formation flying satellites in deep space 2009 ,		11
168	Fault Diagnosis of Jet Engines by Using a Multiple Model-Based Approach 2010 ,		11
167	Fault Detection and Isolation in a redundant reaction wheels configuration of a satellite 2007 ,		11
166	Tracking control of a flexible-link manipulator using neural networks: experimental results. <i>Robotica</i> , 2002 , 20, 417-427	2.1	11
165	On linearization of nonlinear singularity perturbed systems. <i>IEEE Transactions on Automatic Control</i> , 1987 , 32, 256-260	5.9	11
164	Fault detection and isolation of two-dimensional (2D) systems. <i>Systems and Control Letters</i> , 2017 , 99, 25-32	2.4	10
163	Simultaneous fault detection and control design for a network of multi-agent systems 2014 ,		10
162	State Synchronization of Networked Euler-Lagrange Systems with Switching Communication Topologies Subject to Actuator Faults. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011 , 44, 8766-8773		10
161	A neural network-based actuator gain Fault Detection and Isolation strategy for nonlinear systems 2007 ,		10
160	Intelligent and learning-based approaches for health monitoring and fault diagnosis of RADARSAT-1 attitude control system 2007 ,		10
159	Optimal cooperation in a modified leader-follower team of agents with partial availability of leader command 2007 ,		10
158	Dynamic neural network-based estimator for fault diagnosis in reaction wheel actuator of satellite attitude control system		10
157	Networked Estimation of Multi-Agent Systems Subject to Faults and Unreliable Information. <i>Asian Journal of Control</i> , 2015 , 17, 1347-1364	1.7	9
156	Event-triggered fault detection, isolation and control design of linear systems 2015 ,		9
155	Velocity synchronization of networked Euler-Lagrange systems with switching network topologies subject to actuator faults 2010 ,		9
154	Analysis of actuator faults in a cooperative team consensus of unmanned systems 2009 ,		9
153	Identification of a class of nonlinear systems using dynamic neural network structures		9

152	Robust feedback linearization-based congestion control using a fluid flow model 2006,		9
151	A Dynamic Neural Network-based Reaction Wheel Fault Diagnosis for Satellites		9
150	A decentralized indirect adaptive control for a class of two-time-scale nonlinear systems with application to flexible-joint manipulators. <i>IEEE Transactions on Industrial Electronics</i> , 1999 , 46, 1019-1029 ^{8,9}		9
149	Adaptive friction compensation using a Lyapunov-based design scheme		9
148	Robust stabilization of non-linear systems with unmodelled dynamics. <i>International Journal of Control</i> , 1989 , 50, 827-844	1.5	9
147	A Cyber-Security Methodology for a Cyber-Physical Industrial Control System Testbed. <i>IEEE Access</i> , 2021 , 9, 16239-16253	3.5	9
146	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
145	Cost performance based control reconfiguration in multi-agent systems 2014,		8
144	A hybrid prognosis and health monitoring strategy by integrating particle filters and neural networks for gas turbine engines 2015,		8
143	A distributed control strategy for connectivity preservation of multi-agent systems subject to actuator saturation 2013,		8
142	Tip position tracking of flexible multi-link manipulators: An integral manifold approach		8
141	An indirect adaptive control for fully feedback linearizable discrete-time non-linear systems. <i>International Journal of Adaptive Control and Signal Processing</i> , 1997 , 11, 665-680	2.8	8
140	A geometric approach to robust Fault Detection and Isolation of discrete-time Markovian jump systems 2008,		8
139	Semi-Decentralized Optimal Control Technique for a Leader-Follower Team of Unmanned Systems with Partial Availability of the Leader Command 2007,		8
138	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, 2564-2573 ^{4,8}		8
137	Robust cooperative control reconfiguration/recovery in multi-agent systems 2014,		7
136	Reconfigurable Synchronization Control of Networked Euler-Lagrange Systems with Switching Communication Topologies. <i>Asian Journal of Control</i> , 2014 , 16, 830-844	1.7	7
135	Modeling aircraft jet engine and system identification by using Genetic Programming 2012,		7

134	A novel distributed robust fault detection and isolation filter design for a network of nonhomogeneous multi-agent systems 2012 ,		7
133	Reconfigurable control of networked nonlinear Euler-Lagrange systems subject to fault diagnostic imperfections 2011 ,		7
132	Fault Diagnosis of Gas Turbine Engines by Using Dynamic Neural Networks 2010 ,		7
131	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
130	Generalized fault recovery of an under-actuated quadrotor aerial vehicle 2012 ,		7
129	Inverse dynamics control of flexible-link manipulators using neural networks		7
128	A hybrid architecture for diagnosis in hybrid systems with applications to spacecraft propulsion system 2007 ,		7
127	Fault detection and isolation for uncertain nonlinear systems with application to a satellite reaction wheel actuator 2007 ,		7
126	Neural Network-based Actuator Fault Diagnosis for Attitude Control Subsystem of a Satellite 2006 ,		7
125	An observer-based inverse dynamics control strategy for flexible multi-link manipulators		7
124	Model predictive and non-cooperative dynamic game fault recovery control strategies for a network of unmanned underwater vehicles. <i>International Journal of Control</i> , 2019 , 92, 489-517	1.5	7
123	Simultaneous fault detection and control design for an autonomous unmanned underwater vehicle 2013 ,		6
122	A novel particle filter parameter prediction scheme for failure prognosis 2014 ,		6
121	Verification and Validation of Hierarchical Fault Diagnosis in Satellites Formation Flight. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2012 , 42, 1384-1399		6
120	An H _∞ consensus achievement for LTI multi-agent systems with directed fixed networks 2012 ,		6
119	Particle filtering for state and parameter estimation in gas turbine engine fault diagnostics 2013 ,		6
118	Nonlinear Fault Diagnosis of Jet Engines by Using a Multiple Model-Based Approach 2011 ,		6
117	Cooperative actuator fault accommodation of formation flying vehicles with absolute measurements 2010 ,		6

116	A game theory approach to multi-agent team cooperation 2009 ,		6
115	Fault detection and diagnosis for satellite's attitude control system (ACS) using an interactive multiple model (IMM) approach		6
114	Neural network-based controllers for voltage source PWM front end rectifiers		6
113	Fault Detection and Diagnosis. <i>Lecture Notes in Control and Information Sciences</i> , 2009 , 21-49	0.5	6
112	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
111	Actuator fault accommodation strategy for a team of LTI multi-agent systems 2014 ,		5
110	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
109	Distributed H _∞ optimal control of networked uncertain nonlinear Euler-Lagrange systems with switching communication network topologies 2011 ,		5
108	An optimal hybrid fault recovery for a team of unmanned vehicles 2009 ,		5
107	Fault diagnosis and recovery from structural failures (icing) in unmanned aerial vehicles 2009 ,		5
106	Experimental evaluation of neural network based controllers for tracking the tip position of a flexible-link manipulator		5
105	Intelligent model-based hierarchical fault diagnosis for satellite formations 2007 ,		5
104	A Sliding Mode-based congestion control for time delayed differentiated-services networks 2007 ,		5
103	Neural Network-based Actuator Fault Diagnosis for Attitude Control Subsystem of an Unmanned Space Vehicle 2006 ,		5
102	Neural network based fault diagnosis in an HVDC system		5
101	Optimization of an actuated flexible arm for improved control properties		5
100	Control of a flexible-link manipulator		5
99	Feedback control of two-time-scale block implemented discrete-time systems. <i>IEEE Transactions on Automatic Control</i> , 1987 , 32, 69-73	5.9	5

98	An Overview of Cooperative and Consensus Control of Multiagent Systems 2016 , 1-35		4
97	Integrated fault detection, isolation and control design for continuous-time Markovian jump systems with uncertain transition probabilities 2014 ,		4
96	Data-driven fault detection, isolation and estimation of aircraft gas turbine engine actuator and sensors 2017 ,		4
95	Sensor fault detection and isolation using multiple robust filters for linear systems with time-varying parameter uncertainty and error variance constraints 2014 ,		4
94	A robust fault detection scheme with an application to mobile robots by using adaptive thresholds generated with locally linear models 2013 ,		4
93	A sub-optimal distributed Kalman filter with fusion feedback for acyclic systems 2009 ,		4
92	An LMI approach to optimal consensus seeking in multi-agent systems 2009 ,		4
91	A decentralized cooperative actuator fault accommodation of formation flying satellites in deep space 2009 ,		4
90	Hierarchical fault diagnosis and health monitoring in multi-platform space systems 2009 ,		4
89	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
88	Dynamic neural network-based Pulsed Plasma Thruster (PPT) fault detection and isolation for the attitude control system of a satellite 2008 ,		4
87	A geometric approach to Fault Detection and Isolation of neutral time-delay systems 2008 ,		4
86	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
85	A fault detection, isolation and reconstruction strategy for a satellite's attitude control subsystem with redundant reaction wheels 2007 ,		4
84	Semi-Decentralized Optimal Control of a Cooperative Team of Agents 2007 ,		4
83	State estimation of the vinyl acetate reactor using unscented Kalman filters (UKF)		4
82	Fault detection and diagnosis for reaction wheels of satellite's attitude control system using a bank of Kalman filters		4
81	A filtered-X RLS based narrowband active noise control system in the presence of frequency mismatch		4

80	A Dynamic Neural Network-based Reaction Wheel Fault Diagnosis for Satellites 2006,		4
79	Neural Network-based Actuator Fault Diagnosis for Attitude Control Subsystem of an Unmanned Space Vehicle		4
78	A novel fault-tree approach for identifying potential causes of satellite reaction wheel failure		4
77	Variable structure-based nonlinear congestion control for networked controlled systems		4
76	Nonlinear system identification using embedded dynamic neural networks		4
75	Statistical analysis of narrowband active noise control using a simplified variable step-size FXLMS algorithm. <i>Signal Processing</i> , 2021 , 183, 108012	4-4	4
74	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
73	Event-triggered fault estimation and accommodation design for linear systems 2016,		3
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