

# Khashayar Khorasani

## List of Publications by Year in Descending Order

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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.

277  
papers

5,762  
citations

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 Efficient Filter Bank Structure for Adaptive Notch Filtering and Applications. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , <b>2021</b> , 29, 3226-3241	3.6	0
276	Statistical analysis of narrowband active noise control using a simplified variable step-size FXLMS algorithm. <i>Signal Processing</i> , <b>2021</b> , 183, 108012	4.4	4
275	. <i>IEEE Transactions on Reliability</i> , <b>2021</b> , 70, 728-748	4.6	107
274	A Multidimensional Bayesian Methodology for Diagnosis, Prognosis, and Health Monitoring of Electrohydraulic Servo Valves. <i>IEEE Transactions on Control Systems Technology</i> , <b>2021</b> , 1-13	4.8	1
273	Distributed Event-Triggered Consensus-Based Control of DC Microgrids in Presence of DoS Cyber Attacks. <i>IEEE Access</i> , <b>2021</b> , 9, 54009-54021	3.5	4
272	A Cyber-Security Methodology for a Cyber-Physical Industrial Control System Testbed. <i>IEEE Access</i> , <b>2021</b> , 9, 16239-16253	3.5	9
271	Mitigation and Resiliency of Multi-Agent Systems Subject to Malicious Cyber Attacks on Communication Links <b>2020</b> ,		1
270	Hybrid multi-mode machine learning-based fault diagnosis strategies with application to aircraft gas turbine engines. <i>Neural Networks</i> , <b>2020</b> , 130, 126-142	9.1	21
269	Security Index of Linear Cyber-Physical Systems: A Geometric Perspective <b>2019</b> ,		2
268	Diagnosis, Prognosis and Health Monitoring of Electro Hydraulic Servo Valves (EHSV) using Particle Filters <b>2019</b> ,		2
267	Multi-frequency narrowband active noise control with online feedback-path modeling using IIR adaptive notch filters <b>2019</b> ,		1
266	Unbiased inversion-based fault estimation of systems with non-minimum phase fault-to-output dynamics. <i>IET Control Theory and Applications</i> , <b>2019</b> , 13, 1629-1638	2.5	0
265	Determination of Security Index for Linear Cyber-Physical Systems Subject to Malicious Cyber Attacks* <b>2019</b> ,		3
264	Cooperative State and Fault Estimation of Formation Flight of Satellites in Deep Space Subject to Unreliable Information. <i>IFAC-PapersOnLine</i> , <b>2019</b> , 52, 206-213	0.7	2
263	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> , <b>2019</b> , 27, 2564-2573	4.8	8
262	Model predictive and non-cooperative dynamic game fault recovery control strategies for a network of unmanned underwater vehicles. <i>International Journal of Control</i> , <b>2019</b> , 92, 489-517	1.5	7
261	A New Fault Diagnosis of Multifunctional Spoiler System Using Integrated Artificial Neural Network and Discrete Wavelet Transform Methods. <i>IEEE Sensors Journal</i> , <b>2018</b> , 18, 4990-5001	4	50

260	A New Fault Prognosis of MFS System Using Integrated Extended Kalman Filter and Bayesian Method. <i>IEEE Transactions on Industrial Informatics</i> , <b>2018</b> , 1-1	11.9	25
259	An improved particle filtering-based approach for health prediction and prognosis of nonlinear systems. <i>Journal of the Franklin Institute</i> , <b>2018</b> , 355, 3753-3794	4	5
258	A single dynamic observer-based module for design of simultaneous fault detection, isolation and tracking control scheme. <i>International Journal of Control</i> , <b>2018</b> , 91, 508-523	1.5	8
257	A Dual Particle Filter-Based Fault Diagnosis Scheme for Nonlinear Systems. <i>IEEE Transactions on Control Systems Technology</i> , <b>2018</b> , 26, 1317-1334	4.8	12
256	Deep Convolutional Neural Networks and Learning ECG Features for Screening Paroxysmal Atrial Fibrillation Patients. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2018</b> , 48, 2095-2104	7.3	172
255	Data-driven fault detection, isolation and estimation of aircraft gas turbine engine actuator and sensors. <i>Mechanical Systems and Signal Processing</i> , <b>2018</b> , 100, 415-438	7.8	40
254	A Dendritic Cell Immune System Inspired Scheme for Sensor Fault Detection and Isolation of Wind Turbines. <i>IEEE Transactions on Industrial Informatics</i> , <b>2018</b> , 14, 545-555	11.9	17
253	A Simple and Reliable Photovoltaic Forecast for Reliable Power System Operation Control. <i>IFAC-PapersOnLine</i> , <b>2018</b> , 51, 161-166	0.7	0
252	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2017</b> , 13, 298-311	11.9	52
251	Distributed reconfigurable control strategies for switching topology networked multi-agent systems. <i>ISA Transactions</i> , <b>2017</b> , 71, 51-67	5.5	15
250	Fault detection and isolation of two-dimensional (2D) systems. <i>Systems and Control Letters</i> , <b>2017</b> , 99, 25-32	2.4	10
249	A data-driven approach to actuator and sensor fault detection, isolation and estimation in discrete-time linear systems. <i>Automatica</i> , <b>2017</b> , 85, 165-178	5.7	35
248	An H <sub>∞</sub> cooperative fault recovery control of multi-agent systems. <i>Automatica</i> , <b>2017</b> , 84, 101-108	5.7	26
247	Data-driven fault detection, isolation and estimation of aircraft gas turbine engine actuator and sensors <b>2017</b> ,		4
246	A geometric approach to fault detection and isolation of multi-dimensional (n-D) systems. <i>Multidimensional Systems and Signal Processing</i> , <b>2017</b> , 28, 1653-1678	1.8	2
245	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> , <b>2017</b> , 47, 1990-2004	7.3	23
244	A Negative Selection Immune System Inspired Methodology for Fault Diagnosis of Wind Turbines. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 3799-3813	10.2	21
243	Semi-decentralized nonlinear cooperative control strategies for a network of heterogeneous autonomous underwater vehicles. <i>International Journal of Robust and Nonlinear Control</i> , <b>2017</b> , 27, 2688-2707	3.6	11

242	Integrated design of fault detection, isolation, and control for continuous-time Markovian jump systems. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>2017</b> , 31, 1903-1919	2.8	5
241	Constrained distributed cooperative synchronization and reconfigurable control of heterogeneous networked Euler-Lagrange multi-agent systems. <i>Information Sciences</i> , <b>2016</b> , 370-371, 578-597	7.7	22
240	Computationally intelligent strategies for robust fault detection, isolation, and identification of mobile robots. <i>Neurocomputing</i> , <b>2016</b> , 171, 335-346	5.4	23
239	Dynamic neural networks for gas turbine engine degradation prediction, health monitoring and prognosis. <i>Neural Computing and Applications</i> , <b>2016</b> , 27, 2157-2192	4.8	44
238	Control reconfiguration for multiple autonomous vehicles subject to actuator faults and disturbances <b>2016</b> ,		1
237	An Overview of Cooperative and Consensus Control of Multiagent Systems <b>2016</b> , 1-35		4
236	Feature leaning with deep Convolutional Neural Networks for screening patients with paroxysmal atrial fibrillation <b>2016</b> ,		11
235	Event-triggered fault estimation and accommodation design for linear systems <b>2016</b> ,		3
234	An ensemble of dynamic neural network identifiers for fault detection and isolation of gas turbine engines. <i>Neural Networks</i> , <b>2016</b> , 76, 106-121	9.1	83
233	. <i>IEEE Transactions on Control Systems Technology</i> , <b>2016</b> , 24, 2158-2166	4.8	17
232	Simultaneous fault detection and consensus control design for a network of multi-agent systems. <i>Automatica</i> , <b>2016</b> , 66, 185-194	5.7	125
231	A Distributed Control Reconfiguration and Accommodation for Consensus Achievement of Multiagent Systems Subject to Actuator Faults. <i>IEEE Transactions on Control Systems Technology</i> , <b>2016</b> , 24, 2031-2047	4.8	32
230	Robust sensor fault detection and isolation of gas turbine engines subjected to time-varying parameter uncertainties. <i>Mechanical Systems and Signal Processing</i> , <b>2016</b> , 76-77, 136-156	7.8	23
229	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> , <b>2016</b> , 24, 1184-1200	4.8	117
228	A distributed model predictive control (MPC) fault reconfiguration strategy for formation flying satellites. <i>International Journal of Control</i> , <b>2016</b> , 89, 960-983	1.5	23
227	Subspace-based identification of linear systems using arbitrary data segments <b>2016</b> ,		1
226	Suboptimal control reconfiguration in switched multi-agent networked systems <b>2016</b> ,		1
225	Transient Gas Turbine Performance Diagnostics Through Nonlinear Adaptation of Compressor and Turbine Maps. <i>Journal of Engineering for Gas Turbines and Power</i> , <b>2015</b> , 137,	1.7	50

224	Fault detection and isolation of the attitude control subsystem of spacecraft formation flying using extended Kalman filters. <i>International Journal of Control</i> , <b>2015</b> , 88, 2154-2179	1.5	13
223	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> , <b>2015</b> , 352, 3885-3913	4	30
222	Distributed H <sub>∞</sub> Optimal Formation Recovery Control of Heterogeneous Euler-Lagrange Systems Subject to Network Switching and Diagnostic Imperfections ? ?This publication was made possible by NPRP Grant No. 5-045-2-017 from the Qatar National Research Fund (a member of Qatar Foundation). The statements made herein are solely the responsibility of the authors..	0.7	0
221	Actuator fault accommodation strategy for a team of multi-agent systems subject to switching topology. <i>Automatica</i> , <b>2015</b> , 62, 200-207	5.7	38
220	Networked Estimation of Multi-Agent Systems Subject to Faults and Unreliable Information. <i>Asian Journal of Control</i> , <b>2015</b> , 17, 1347-1364	1.7	9
219	A hybrid prognosis and health monitoring strategy by integrating particle filters and neural networks for gas turbine engines <b>2015</b> ,		8
218	A hybrid fault detection and isolation strategy for a team of cooperating unmanned vehicles. <i>International Journal of Control</i> , <b>2015</b> , 88, 90-103	1.5	3
217	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> , <b>2015</b> , 137,	1.6	12
216	Event-triggered fault detection, isolation and control design of linear systems <b>2015</b> ,		9
215	Fault detection and isolation of gas turbine engines using a bank of neural networks. <i>Journal of Process Control</i> , <b>2015</b> , 36, 22-41	3.9	74
214	A novel affine qLPV model derivation method for fault diagnosis H <sub>∞</sub> performance improvement <b>2015</b> ,		1
213	. <i>IEEE Transactions on Control Systems Technology</i> , <b>2014</b> , 22, 2188-2204	4.8	11
212	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> , <b>2014</b> , 136,	1.7	38
211	$H_{\infty}$ Consensus Achievement of Multi-Agent Systems With Directed and Switching Topology Networks. <i>IEEE Transactions on Automatic Control</i> , <b>2014</b> , 59, 3104-3109	5.9	98
210	Actuator fault accommodation strategy for a team of LTI multi-agent systems <b>2014</b> ,		5
209	Simultaneous fault detection and control design for a network of multi-agent systems <b>2014</b> ,		10
208	Robust cooperative control reconfiguration/recovery in multi-agent systems <b>2014</b> ,		7
207	Cost performance based control reconfiguration in multi-agent systems <b>2014</b> ,		8

206	Fault detection and isolation of Riesz spectral systems: A geometric approach <b>2014</b> ,		2
205	Hybrid fault diagnosis of nonlinear systems using neural parameter estimators. <i>Neural Networks</i> , <b>2014</b> , 50, 12-32	9.1	22
204	Markovian jump guaranteed cost congestion control strategies for large scale mobile networks with differentiated services traffic. <i>Automatica</i> , <b>2014</b> , 50, 1875-1883	5.7	3
203	Dynamic neural network-based fault diagnosis of gas turbine engines. <i>Neurocomputing</i> , <b>2014</b> , 125, 153-165	15.4	133
202	Integrated fault detection, isolation and control design for continuous-time Markovian jump systems with uncertain transition probabilities <b>2014</b> ,		4
201	Sensor fault detection and isolation using multiple robust filters for linear systems with time-varying parameter uncertainty and error variance constraints <b>2014</b> ,		4
200	Robust Hybrid EKF approach for state estimation in multi-scale nonlinear singularly perturbed systems <b>2014</b> ,		1
199	Fault detection and isolation of Fornasini-Marchesini 2D systems: A geometric approach <b>2014</b> ,		1
198	Reconfigurable Synchronization Control of Networked Euler-Lagrange Systems with Switching Communication Topologies. <i>Asian Journal of Control</i> , <b>2014</b> , 16, 830-844	1.7	7
197	A novel particle filter parameter prediction scheme for failure prognosis <b>2014</b> ,		6
196	Fault detection and isolation of a dual spool gas turbine engine using dynamic neural networks and multiple model approach. <i>Information Sciences</i> , <b>2014</b> , 259, 234-251	7.7	86
195	Distributed Fault Detection and Isolation Filter Design for a Network of Heterogeneous Multiagent Systems. <i>IEEE Transactions on Control Systems Technology</i> , <b>2014</b> , 22, 1061-1069	4.8	85
194	Multiple-model based sensor fault diagnosis using hybrid kalman filter approach for nonlinear gas turbine engines <b>2013</b> ,		16
193	Fault detection and isolation of the wind turbine based on the real-valued negative selection algorithm <b>2013</b> ,		3
192	Simultaneous fault detection and control design for an autonomous unmanned underwater vehicle <b>2013</b> ,		6
191	A Multiple Model-Based Approach for Fault Diagnosis of Jet Engines. <i>IEEE Transactions on Control Systems Technology</i> , <b>2013</b> , 21, 254-262	4.8	66
190	A distributed control strategy for connectivity preservation of multi-agent systems subject to actuator saturation <b>2013</b> ,		8
189	Particle filtering for state and parameter estimation in gas turbine engine fault diagnostics <b>2013</b> ,		6

188	A robust semi-decentralized fault detection strategy for multi-agent systems. <i>International Journal of Intelligent Unmanned Systems</i> , <b>2013</b> , 1, 21-35	0.9	13
187	A robust fault detection scheme with an application to mobile robots by using adaptive thresholds generated with locally linear models <b>2013</b> ,		4
186	A Neural Network-Based Multiplicative Actuator Fault Detection and Isolation of Nonlinear Systems. <i>IEEE Transactions on Control Systems Technology</i> , <b>2013</b> , 21, 842-851	4.8	48
185	Geometric fault detection and isolation of two-dimensional (2D) systems <b>2013</b> ,		12
184	Semi-decentralized Optimal Consensus Strategies <b>2013</b> , 37-60		
183	Nonideal Considerations for Semi-decentralized Optimal Team Cooperation <b>2013</b> , 61-84		
182	Conclusions and FutureWork <b>2013</b> , 115-117		
181	Linear Matrix Inequalities in the Team Cooperation Problem <b>2013</b> , 85-114		
180	Optimal hybrid fault recovery in a team of unmanned aerial vehicles. <i>Automatica</i> , <b>2012</b> , 48, 410-418	5.7	33
179	Reconfigurable cooperative control of networked lagrangian systems under actuator saturation constraints. <i>IET Control Theory and Applications</i> , <b>2012</b> , 6, 578	2.5	11
178	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2012</b> , 48, 1428-1450	3.7	31
177	Distributed and cooperative estimation of formation flight of unmanned vehicles subject to faults and unreliable information <b>2012</b> ,		1
176	Modeling aircraft jet engine and system identification by using Genetic Programming <b>2012</b> ,		7
175	Fault detection and isolation of dissipative parabolic PDEs: Finite-dimensional geometric approach <b>2012</b> ,		18
174	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> , <b>2012</b> , 42, 1384-1399		6
173	A novel distributed robust fault detection and isolation filter design for a network of nonhomogeneous multi-agent systems <b>2012</b> ,		7
172	Fault detection of gas turbine engines using dynamic neural networks <b>2012</b> ,		3
171	An H <sub>∞</sub> consensus achievement for LTI multi-agent systems with directed fixed networks <b>2012</b> ,		6

170	Cooperative actuator fault accommodation in formation flight of unmanned vehicles using absolute measurements. <i>IET Control Theory and Applications</i> , <b>2012</b> , 6, 2805-2819	2.5	18
169	Generalized fault recovery of an under-actuated quadrotor aerial vehicle <b>2012</b> ,		7
168	Nonlinear Fault Diagnosis of Jet Engines by Using a Multiple Model-Based Approach. <i>Journal of Engineering for Gas Turbines and Power</i> , <b>2012</b> , 134,	1.7	41
167	Fault Detection and Isolation of Linear Impulsive Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2011</b> , 56, 1905-1910	5.9	11
166	Hierarchical Fault Diagnosis and Health Monitoring in Satellites Formation Flight. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , <b>2011</b> , 41, 223-239		22
165	Fault diagnosis of gas turbine engines by using dynamic neural networks <b>2011</b> ,		3
164	Reconfigurable control of networked nonlinear Euler-Lagrange systems subject to fault diagnostic imperfections <b>2011</b> ,		7
163	Nonlinear Fault Diagnosis of Jet Engines by Using a Multiple Model-Based Approach <b>2011</b> ,		6
162	Optimal distributed and cooperative supervisory estimation of multi-agent systems subject to unreliable information <b>2011</b> ,		2
161	Distributed H <sub>∞</sub> optimal control of networked uncertain nonlinear Euler-Lagrange systems with switching communication network topologies <b>2011</b> ,		5
160	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> , <b>2011</b> , 44, 8766-8773		10
159	Multi-agent methodology for distributed and cooperative supervisory estimation subject to unreliable information. <i>IET Control Theory and Applications</i> , <b>2011</b> , 5, 606-621	2.5	11
158	Switching control of a modified leader-follower team of agents under the leader and network topological changes. <i>IET Control Theory and Applications</i> , <b>2011</b> , 5, 1369-1377	2.5	21
157	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2011</b> , 47, 2435-2456	3.7	36
156	A novel multiplexed fiber Bragg grating sensor with application in structural health monitoring. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2011</b> , 8, 2953-2956		2
155	Robust observer-based fault diagnosis for an unmanned aerial vehicle <b>2011</b> ,		24
154	Cooperative actuator fault accommodation in formation flight of unmanned vehicles using relative measurements. <i>International Journal of Control</i> , <b>2011</b> , 84, 876-894	1.5	32
153	A robust adaptive congestion control strategy for large scale networks with differentiated services traffic. <i>Automatica</i> , <b>2011</b> , 47, 26-38	5.7	19



152	Fault Detection and Isolation <b>2011</b> ,		31
151	A guaranteed cost congestion control strategy for a network of multi-agent systems subject to differentiated services traffic <b>2011</b> ,		1
150	Fault recovery of an under-actuated quadrotor Aerial Vehicle <b>2010</b> ,		41
149	Fault Diagnosis of Gas Turbine Engines by Using Dynamic Neural Networks <b>2010</b> ,		7
148	Cooperative tracking control of Euler-Lagrange systems with switching communication network topologies <b>2010</b> ,		22
147	Team Consensus for a Network of Unmanned Vehicles in Presence of Actuator Faults. <i>IEEE Transactions on Control Systems Technology</i> , <b>2010</b> , 18, 1155-1161	4.8	87
146	Optimal consensus seeking in a network of multiagent systems: an LMI approach. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , <b>2010</b> , 40, 540-7		48
145	Hybrid fault detection and isolation strategy for non-linear systems in the presence of large environmental disturbances. <i>IET Control Theory and Applications</i> , <b>2010</b> , 4, 2879-2895	2.5	7
144	A Geometric Approach to Fault Detection and Isolation of Continuous-Time Markovian Jump Linear Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2010</b> , 55, 1343-1357	5.9	41
143	Cooperative actuator fault accommodation of formation flying vehicles with absolute measurements <b>2010</b> ,		6
142	Velocity synchronization of networked Euler-Lagrange systems with switching network topologies subject to actuator faults <b>2010</b> ,		9
141	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> , <b>2010</b> ,	4.8	27
140	Fault Diagnosis of Jet Engines by Using a Multiple Model-Based Approach <b>2010</b> ,		11
139	A pulsed plasma thruster fault detection and isolation strategy for formation flying of satellites. <i>Applied Soft Computing Journal</i> , <b>2010</b> , 10, 746-758	7.5	23
138	A decentralized H <sub>∞</sub> routing control strategy for mobile networked multi-agents <b>2009</b> ,		2
137	A distributed and cooperative supervisory estimation of multi-agent systems - Part II: Verification and case study <b>2009</b> ,		1
136	Analysis of actuator faults in a cooperative team consensus of unmanned systems <b>2009</b> ,		9
135	Fault detection and isolation of linear impulsive systems <b>2009</b> ,		3

134	A distributed and cooperative supervisory estimation of multi-agent systems - Part I: Framework <b>2009</b> ,		2
133	An optimal cooperation in a team of agents subject to partial information. <i>International Journal of Control</i> , <b>2009</b> , 82, 571-583	1.5	28
132	Robust fault detection and isolation of time-delay systems using a geometric approach. <i>Automatica</i> , <b>2009</b> , 45, 1567-1573	5.7	50
131	Multi-agent team cooperation: A game theory approach. <i>Automatica</i> , <b>2009</b> , 45, 2205-2213	5.7	156
130	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> , <b>2009</b> , 45, 2032-2040	5.7	102
129	An optimal hybrid fault recovery for a team of unmanned vehicles <b>2009</b> ,		5
128	Fault diagnosis and recovery from structural failures (icing) in unmanned aerial vehicles <b>2009</b> ,		5
127	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> , <b>2009</b> , 20, 45-60		159
126	A sub-optimal distributed Kalman filter with fusion feedback for acyclic systems <b>2009</b> ,		4
125	Actuator Fault Detection and Isolation for a Network of Unmanned Vehicles. <i>IEEE Transactions on Automatic Control</i> , <b>2009</b> , 54, 835-840	5.9	130
124	Fault Detection and Isolation of Distributed Time-Delay Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2009</b> , 54, 2680-2685	5.9	22
123	An LMI approach to optimal consensus seeking in multi-agent systems <b>2009</b> ,		4
122	A game theory approach to multi-agent team cooperation <b>2009</b> ,		6
121	Fault Diagnosis of Nonlinear Systems Using a Hybrid Approach. <i>Lecture Notes in Control and Information Sciences</i> , <b>2009</b> ,	0.5	35
120	A decentralized cooperative actuator fault accommodation of formation flying satellites in deep space <b>2009</b> ,		4
119	On the attitude recovery of an underactuated spacecraft using two control moment gyroscopes <b>2009</b> ,		3
118	Hierarchical fault diagnosis and health monitoring in multi-platform space systems <b>2009</b> ,		4
117	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2009</b> , 56, 608-617	8.9	11

116	A distributed Kalman filter for actuator fault estimation of deep space formation flying satellites <b>2009</b> ,		13
115	A Hierarchical architecture for cooperative fault accommodation of formation flying satellites in deep space <b>2009</b> ,		11
114	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> , <b>2009</b> , 42, 215-220		2
113	Robust Fault Detection and Isolation of Linear Systems with Distributed Delays. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2009</b> , 42, 768-773		
112	Unobservability Subspaces For Continuous-time Markovian Jump Systems with Application to Fault Diagnosis. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2009</b> , 42, 953-958		4
111	Fault Consensus in a Network of Unmanned Vehicles. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2009</b> , 42, 1001-1006		2
110	Dynamic Neural Network-Based Fault Detection and Isolation for Thrusters in Formation Flying of Satellites. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 780-793	0.9	12
109	Fault Detection and Diagnosis. <i>Lecture Notes in Control and Information Sciences</i> , <b>2009</b> , 21-49	0.5	6
108	Stochastic Analysis of the FXLMS-Based Narrowband Active Noise Control System. <i>IEEE Transactions on Audio Speech and Language Processing</i> , <b>2008</b> , 16, 1000-1014		51
107	Dynamic neural network-based Pulsed Plasma Thruster (PPT) fault detection and isolation for the attitude control system of a satellite <b>2008</b> ,		4
106	A novel H <sub>∞</sub> control strategy for design of a robust dynamic routing algorithm in traffic networks. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2008</b> , 26, 706-718	14.2	12
105	Cooperative fault accommodation in formation flying satellites <b>2008</b> ,		2
104	A hybrid fault diagnosis and recovery for a team of unmanned vehicles <b>2008</b> ,		3
103	A Distributed Congestion Control Strategy for Differentiated-Services Network <b>2008</b> ,		1
102	A geometric approach to Fault Detection and Isolation of neutral time-delay systems <b>2008</b> ,		4
101	A geometric approach to robust Fault Detection and Isolation of discrete-time Markovian jump systems <b>2008</b> ,		8
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89	A Robust Congestion Control Strategy for Delay Dependent Differentiated-Services Networks <b>2007</b> ,		1
88	A robust Fault Detection and Isolation scheme with application to magnetorquer type actuators for satellites <b>2007</b> ,		1
87	Stability Analysis of a Class of Switched Time-delay Systems with Unstable Subsystems <b>2007</b> ,		1
86	Fault detection in spacecraft attitude control system <b>2007</b> ,		2
85	A neural network-based actuator gain Fault Detection and Isolation strategy for nonlinear systems <b>2007</b> ,		10
84	A hybrid architecture for diagnosis in hybrid systems with applications to spacecraft propulsion system <b>2007</b> ,		7
83	Intelligent and learning-based approaches for health monitoring and fault diagnosis of RADARSAT-1 attitude control system <b>2007</b> ,		10
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80	Fault Detection and Isolation in a redundant reaction wheels configuration of a satellite <b>2007</b> ,		11
79	Optimal performance of a modified leader-follower cooperative team with partial availability of the leader command and agents actuator faults <b>2007</b> ,		3
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30	On the domain of validity of nonlinear $H_{\infty}$ control		2
29	Experimental evaluation of neural network based controllers for tracking the tip position of a flexible-link manipulator		5
28	Experimental results for nonlinear decoupling control of flexible multi-link manipulators		2
27	Inverse dynamics control of flexible-link manipulators using neural networks		7

26	Fault detection and diagnosis for satellite's attitude control system (ACS) using an interactive multiple model (IMM) approach	6
25	Fault Diagnosis of Linear Singularly Perturbed Systems	3
24	State estimation of the vinyl acetate reactor using unscented Kalman filters (UKF)	4
23	Fault detection and diagnosis for reaction wheels of satellite's attitude control system using a bank of Kalman filters	4
22	A filtered-X RLS based narrowband active noise control system in the presence of frequency mismatch	4
21	Detection of actuator faults using a dynamic neural network for the attitude control subsystem of a satellite	3
20	Neural Network-based Actuator Fault Diagnosis for Attitude Control Subsystem of an Unmanned Space Vehicle	4
19	A Dynamic Neural Network-based Reaction Wheel Fault Diagnosis for Satellites	9
18	A new facial expression recognition technique using 2D DCT and k-means algorithm	3
17	A nonlinear control design technique for formation flight of a constellation of satellites	3
16	A novel fault-tree approach for identifying potential causes of satellite reaction wheel failure	4
15	Variable structure-based nonlinear congestion control for networked controlled systems	4
14	Dynamic neural network-based estimator for fault diagnosis in reaction wheel actuator of satellite attitude control system	10
13	Neural network based fault diagnosis in an HVDC system	5
12	Optimization of an actuated flexible arm for improved control properties	5
11	Tip-position tracking for flexible-link manipulators using artificial neural networks: experimental results	1
10	Identification of a turbogenerator system using adaptive time delay neural networks	1
9	Nonlinear system identification using embedded dynamic neural networks	4



8	Experimental results on tracking control of a flexible-link manipulator: a new output re-definition approach	3
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6	Control of a flexible-link manipulator	5
5	Neural network-based controllers for voltage source PWM front end rectifiers	6
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