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Sum of Times Cited: 3,377
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1. Bibliographical review on reconfigurable fault-tolerant control systems
   By: Zhang, Youmin; Jiang, Jin
   ANNUAL REVIEWS IN CONTROL Volume: 32 Issue: 2 Pages: 229-252
   Published: DEC 2008

   2014 2015 2016 2017 2018 Total Average Citations per Year
   410 497 633 387 1 3377 168.85
   160 164 141 80 1 852 85.20
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Citing articles: 2,431
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11. Development of advanced FDD and FTC techniques with application to an unmanned quadrotor helicopter testbed
By: Zhang, Y. M.; Chamseddine, A.; Rabbath, C. A.; et al.
JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS Volume: 350 Issue: 9 Pages: 2396-2422 Published: NOV 2013
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<th>□ 12.</th>
<th>Accepting performance degradation in fault-tolerant control</th>
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<td>By: Jiang, J; Zhang, YM</td>
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<td>IEEE TRANSACTIONS ON CONTROL SYSTEMS TECHNOLOGY Volume: 14 Issue: 2 Pages: 284-292 Published: MAR 2006</td>
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<th>Integrated design of reconfigurable fault-tolerant control systems</th>
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<td>JOURNAL OF GUIDANCE CONTROL AND DYNAMICS Volume: 24 Issue: 1 Pages: 133-136 Published: JAN-FEB 2001</td>
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<th>Multiple-model estimation with variable structure - Part IV: Design and evaluation of model-group switching algorithm</th>
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<td>By: Li, XR; Zhang, YM; Zhi, XR</td>
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<td>IEEE TRANSACTIONS ON AEROSPACE AND ELECTRONIC SYSTEMS Volume: 35 Issue: 1 Pages: 242-254 Published: JAN 1999</td>
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<th>Fault-Tolerant Attitude Control for Flexible Spacecraft Without Angular Velocity Magnitude Measurement</th>
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<td>By: Xiao, Bing; Hu, Qingfei; Zhang, Youmin</td>
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<td>JOURNAL OF GUIDANCE CONTROL AND DYNAMICS Volume: 34 Issue: 5 Pages: 1556-1561 Published: SEP-OCT 2011</td>
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<th>A novel stealth liposomal topotecan with amloidipine: Apoptotic effect is associated with deletion of intracellular Ca2+ by amloidipine thus leading to an enhanced antitumor activity in leukemia</th>
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<td>By: Li, X; Ruan, OR; Lu, WL; et al.</td>
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<th>Flatness-Based Trajectory Planning/Replanning for a Quadrotor Unmanned Aerial Vehicle</th>
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<td>By: Chamsseddine, Abbas; Zhang, Youmin; Rabbath, Camille Alain; et al.</td>
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<td>IEEE TRANSACTIONS ON AEROSPACE AND ELECTRONIC SYSTEMS Volume: 48 Issue: 4 Pages: 2832-2848 Published: OCT 2012</td>
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<th>ACTUATOR FAULT TOLERANT CONTROL DESIGN BASED ON A RECONFIGURABLE REFERENCE INPUT</th>
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<td>By: Theilliol, Didier; Join, Cedric; Zhang, Youmin</td>
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<td>INTERNATIONAL JOURNAL OF APPLIED MATHEMATICS AND COMPUTER SCIENCE Volume: 18 Issue: 4 Pages: 553-559 Published: DEC 2008</td>
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<th>□ 19.</th>
<th>Numerically robust implementation of multiple-model algorithms</th>
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<td>IEEE TRANSACTIONS ON AEROSPACE AND ELECTRONIC SYSTEMS Volume: 36 Issue: 1 Pages: 266-278 Published: JAN 2000</td>
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<th>Sense and avoid technologies with applications to unmanned aircraft systems: Review and prospects</th>
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<td>By: Yu, Xiang; Zhang, Youmin</td>
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<td>PROGRESS IN AEROSPACE SCIENCES Volume: 74 Pages: 152-166 Published: APR 2015</td>
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Sum of Times Cited per Year

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Fault-Tolerant Tracking Control of Spacecraft with Attitude-Only Measurement Under Actuator Failures

By: Xiao, Bing; Hu, Qinglei; Zhang, Youmin; et al.

JOURNAL OF GUIDANCE CONTROL AND DYNAMICS Volume: 37 Issue: 3
Pages: 838-849 Published: MAY-JUN 2014
Citation report for 164 results from All Databases between 1950 and 2018

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- Citing articles without self citations: 2,312

Sum of Times Cited per Year

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- 31. A fast U-D factorization-based learning algorithm with applications to nonlinear system modeling and identification
- By: Zhang, YM; Li, XR
- IEEE TRANSACTIONS ON NEURAL NETWORKS
  Volume: 10 Issue: 4
  Pages: 930-938
  Published: JUL 1999

2014 2015 2016 2017 2018 Total Average Citations per Year

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32. Stabilization of active fault tolerant control systems with
   By: Mahmoud, M; Jiang, J; Zhang, YM
   STOCHASTIC ANALYSIS AND APPLICATIONS Volume: 21 Issue: 3 Pages: 673-701 Published: MAY 2003

33. Tolerance of intermittent faults in spacecraft attitude control: switched system approach
   By: Yang, H.; Jiang, B.; Zhang, Y.
   IET CONTROL THEORY AND APPLICATIONS Volume: 6 Issue: 13 Pages: 2049-2056 Published: SEP 2012

34. Fault-Tolerant Attitude Control for Spacecraft Under Loss of Actuator Effectiveness
   By: Hu, Qinglei; Xiao, Bing; Zhang, Youmin
   JOURNAL OF GUIDANCE CONTROL AND DYNAMICS Volume: 34 Issue: 3 Pages: 927-932 Published: MAY-JUN 2011

35. Sensor fault masking of a ship propulsion system
   By: Wu, N. Eva; Thavamani, Sudha; Zhang, Youmin; et al.
   CONTROL ENGINEERING PRACTICE Volume: 14 Issue: 11 Pages: 1337-1345 Published: NOV 2006

   By: Jiang, J; Zhang, YM
   INTERNATIONAL JOURNAL OF ADAPTIVE CONTROL AND SIGNAL PROCESSING Volume: 18 Issue: 6 Pages: 505-521 Published: AUG 2004

37. Reliable control of a class of switched cascade nonlinear systems with its application to flight control
   By: Jin, Ying; Fu, Jun; Zhang, Youmin; et al.
   NONLINEAR ANALYSIS-HYBRID SYSTEMS Volume: 11 Pages: 11-21 Published: JAN 2014

38. Robust fault-tolerant control against time-varying actuator faults and saturation
   By: Fan, J. H.; Zhang, Y. M.; Zheng, Z. Q.
   IET CONTROL THEORY AND APPLICATIONS Volume: 6 Issue: 14 Pages: 2198-2208 Published: SEP 2012

39. Fault recoverability and fault tolerant control for a class of interconnected nonlinear systems
   By: Yang, Hao; Jiang, Bin; Staroswiecki, Marcel; et al.
   AUTOMATICA Volume: 54 Pages: 49-55 Published: APR 2015

40. A Review on Fault Diagnosis and Fault Tolerant Control Methods for Single-rotor Aerial Vehicles
   By: Qi, Xin; Qi, Juntong; Theilliol, Didier; et al.
   JOURNAL OF INTELLIGENT & ROBOTIC SYSTEMS Volume: 73 Issue: 1-4 Special Issue: SI Pages: 535-555 Published: JAN 2014

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**Detection and diagnosis of sensor and actuator failures using interacting multiple-model estimator**

*By: Zhang, YM; Li, XR*

*Book Group, Author(s): IEEE, IEEE*

*Conference: 36th IEEE Conference on Decision and Control Location: SAN DIEGO, CA Date: DEC 10-12, 1997*
42. Finite-Time Attitude Tracking of Spacecraft With Fault-Tolerant Capability

By: Xiao, Bing; Hu, Qinglei; Zhang, Youmin

IEEE TRANSACTIONS ON CONTROL SYSTEMS TECHNOLOGY Volume: 23 Issue: 4 Pages: 1323-1335 Published: JUL 2015

43. Fault Tolerant Formations Control of UAVs Subject to Permanent and Intermittent Faults

By: Xu, Qing; Yang, Hao; Jiang, Bin; et al.

JOURNAL OF INTELLIGENT & ROBOTIC SYSTEMS Volume: 73 Issue: 1-4 Special Issue: SI Pages: 589-602 Published: JAN 2014

44. Passive and active nonlinear fault-tolerant control of a quadrotor unmanned aerial vehicle based on the sliding mode control technique

By: Li, Tong; Zhang, Youmin; Gordon, Brandon W.

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART I-JOURNAL OF SYSTEMS AND CONTROL ENGINEERING Volume: 227 Issue: 11 Special Issue: SI Pages: 12-23 Published: JAN 2013

45. Wind Turbine Fault Diagnosis and Fault-Tolerant Torque Load Control Against Actuator Faults

By: Badihi, Hamed; Zhang, Youmin; Hong, Henry

IEEE TRANSACTIONS ON CONTROL SYSTEMS TECHNOLOGY Volume: 23 Issue: 4 Pages: 1336-1357 Published: JUL 2015

46. Hierarchical Decentralized Receding Horizon Control of Multiple Vehicles with Communication Failures

By: Izadi, Hojjat A.; Gordon, Brandon W.; Zhang, Youmin

IEEE TRANSACTIONS ON AEROSPACE AND ELECTRONIC SYSTEMS Volume: 49 Issue: 2 Pages: 12-23 Published: APR 2013

47. Decentralized Receding Horizon Control for Cooperative Multiple Vehicles Subject to Communication Delay

By: Izadi, Hojjat A.; Gordon, Brandon W.; Zhang, Youmin


48. Incorporating performance degradation in fault tolerant control system design with multiple actuator failures

By: Zhang, Youmin; Jiang, Jin; Theilliol, Didier

INTERNATIONAL JOURNAL OF CONTROL AUTOMATION AND SYSTEMS Volume: 8 Issue: 3 Pages: 327-338 Published: JUN 2008

49. Reconfigurable control allocation applied to an aircraft benchmark model

By: Zhang, Youmin; Rabbath, Camille A.; Su, Chun-Yi


50. Stochastic stability analysis for fault tolerant control systems with multiple failure processes

By: Mahmoud, M; Jiang, J; Zhang, YM

INTERNATIONAL JOURNAL OF SYSTEMS SCIENCE Volume: 33 Issue: 1 Pages: 55-66 Published: JAN 2002
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51. **Trajectory Planning and Re-planning for Fault Tolerant Formation Flight Control of Quadrotor Unmanned Aerial Vehicles**

By: Chamseddine, Abbas; Zhang, Youmin; Rabbath, Camille Alain
Book Group Author(s): IEEE
Conference: American Control Conference (ACC) Location: Montreal, CANADA
52. Design of a fault tolerant control system incorporating reliability analysis and dynamic behaviour constraints


INTERNATIONAL JOURNAL OF SYSTEMS SCIENCE Volume: 42 Issue: 1 Pages: 219-233 Published: 2011

53. Control effectiveness estimation using an adaptive Kalman estimator

By: Wu, NE; Zhang, YM; Zhou, KM

54. Trajectory Planning and Replanning Strategies Applied to a Quadrotor Unmanned Aerial Vehicle

By: Chamseddine, Abbas; Zhang, Youmin; Rabbath, Camille Alain; et al.

JOURNAL OF GUIDANCE CONTROL AND DYNAMICS Volume: 35 Issue: 5 Pages: 1667-1671 Published: SEP-OCT 2012

55. Design of proportional-integral reconfigurable control systems via eigenstructure assignment

By: Zhang, YM; Jiang, J

IEEE TRANSACTIONS ON CONTROL SYSTEMS TECHNOLOGY Volume: 23 Issue: 2 Pages: 737-745 Published: MAR 2015

56. Tracking control of spacecraft formation flying with collision avoidance

By: Hu, Qinglei; Dong, Hongyang; Zhang, Youmin; et al.

AEROSPACE SCIENCE AND TECHNOLOGY Volume: 42 Pages: 353-364 Published: APR-MAY 2015

57. A Distributed Deployment Strategy for a Network of Cooperative Autonomous Vehicles

By: Sharifi, Farid; Chamseddine, Abbas; Mahboubi, Hamid; et al.

IEEE TRANSACTIONS ON CONTROL SYSTEMS TECHNOLOGY Volume: 23 Issue: 2 Pages: 737-745 Published: MAR 2015

58. Nonlinear Proportional-Derivative Control Incorporating Closed-Loop Control Allocation for Spacecraft

By: Hu, Qinglei; Li, Bo; Zhang, Youmin

JOURNAL OF GUIDANCE CONTROL AND DYNAMICS Volume: 37 Issue: 3 Pages: 799-812 Published: MAY-JUN 2014

59. Reliable stabilization of switched system with average dwell-time approach

By: Jin, Ying; Fu, Jun; Zhang, Youmin; et al.

JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS Volume: 350 Issue: 3 Pages: 452-463 Published: APR 2013

60. Fault-tolerant formation control of multiple UAVs in the presence of actuator faults

By: Yu, Xiang; Liu, Zhixiang; Zhang, Youmin

INTERNATIONAL JOURNAL OF ROBUST AND NONLINEAR CONTROL Volume: 26 Issue: 12 Pages: 2668-2685 Published: AUG 2016
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Fault-Tolerant Shortest Connection Topology Design for Formation Control

By: Yang, Hao; Jiang, Bin; Zhang, Youmin
INTERNATIONAL JOURNAL OF CONTROL AUTOMATION AND SYSTEMS Volume: 12 Issue: 1 Pages: 29-36 Published: FEB 2014

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62. Fault Diagnosis and Fault Tolerant Control Methods for Manned

By: Qi, Xin; Theilliol, Didier; Qi, Jun Tong; et al.

Conference: 2nd International Conference on Control and Fault-Tolerant Systems (SysTol) Location: Nice, FRANCE Date: OCT 09-11, 2013
Sponsor(s): IEEE; IEEE Control Syst Soc; IEEE Reliabil Soc; Res Ctr Automat Control Nancy; Univ Lorraine
2013 2ND INTERNATIONAL CONFERENCE ON CONTROL AND FAULT-TOLERANT SYSTEMS (SYSTOL) Book Series: Conference on Control and Fault-Tolerant Systems Pages: 132-139 Published: 2013

63. Robust Fault-tolerant Control Using On-line Control Re-allocation with Application to Aircraft

By: Ye, Sijun; Zhang, Youmin; Wang, Xinmin; et al.

Conference: American Control Conference 2009 Location: St Louis, MO Date: JUN 10-12, 2009

64. Optimal control law for fault tolerant control systems

By: Mahmoud, M; Jiang, J; Zhang, YM

Conference: 39th IEEE Conference on Decision and Control Location: SYDNEY, AUSTRALIA Date: DEC 12-15, 2000
Sponsor(s): IEEE Control Syst Soc; SIAM; INFORMS
PROCEEDINGS OF THE 39TH IEEE CONFERENCE ON DECISION AND CONTROL, VOLS 1-5 Book Series: IEEE CONFERENCE ON DECISION AND CONTROL - PROCEEDINGS Pages: 4126-4131 Published: 2000

65. Fixed-interval smoothing algorithm based on singular value decomposition

By: Zhang, YM; Li, XR

Conference: 1996 IEEE International Conference on Control Applications Location: DEARBORN, MI Date: SEP 15-18, 1996
Sponsor(s): IEEE, Control Syst Soc
PROCEEDINGS OF THE 1996 IEEE INTERNATIONAL CONFERENCE ON CONTROL APPLICATIONS Pages: 916-921 Published: 1996


By: Ye, Sijun; Zhang, Youmin; Rabbath, Camille-Alain; et al.

Conference: American Control Conference 2009 Location: St Louis, MO Date: JUN 10-12, 2009

67. Cooperative Multi-Vehicle Search and Coverage Problem in an Uncertain Environment

By: Sharifi, Farid; Mirzaei, Mostafa; Zhang, Youmin; et al.

UNMANNED SYSTEMS Volume: 3 Issue: 1 Pages: 35-47 Published: JAN 2015

68. Observer-based reliable stabilization of uncertain linear systems subject to actuator faults, saturation, and bounded system disturbances

By: Fan, Jinhua; Zhang, Youmin; Zheng, Zhiqiang

ISA TRANSACTIONS Volume: 52 Issue: 6 Pages: 730-737 Published: NOV 2013

69. Novel robust fault diagnosis method for flight control systems

By: Guo Yuying; Jiang Bin; Zhang Youmin; et al.


70. Effects of fault detection and isolation to the stability of Fault Tolerant Control Systems

By: Mahmoud, M; Jiang, J; Hang, Y

Book Group Author(s): AACC; AACC; AACC
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71. Stochastic stability of fault tolerant control systems with model uncertainties
By: Mahmoud, M; Jiang, J; Zhang, YM
Book Group Author(s): AACC; AACC; AACC

2014 2015 2016 2017 2018 Total Average Citations per Year
410 497 633 387 1 3377 168.85
Stochastic stability of fault tolerant control systems in the presence of noise
By: Mahmoud, M; Jiang, J; Zhang, YM

A fault detection and diagnosis approach based on hidden Markov chain mode
By: Zhang, YM; Li, XR; Zhou, KM

Multiple-model estimation with variable structure: Model-group switching algorithm
By: Li, XR; Zhang, YM; Zhi, XR

Fault-Tolerant Flight Control Design with Explicit Consideration of Reconfiguration Transients
By: Yu, Xiang; Zhang, Youmin; Liu, Zhixiang

Sliding Mode Reconfigurable Control Using Information on the Control Effectiveness of Actuators
By: Wang, Tao; Xie, Wenfang; Zhang, Youmin

Robust Sensor Fault Diagnosis and Tracking Controller for a UAV Modelled as LPV System
By: Lopez-Estrada, F. R.; Ponsart, J-C; Theilliol, D.; et al.

Adaptive Observer-Based Integrated Fault Diagnosis and Fault-Tolerant Control Systems Against Actuator Faults and Saturation
By: Fan, Jinhua; Zhang, Youmin; Zheng, Zhiquiang
79. Flatness-based Trajectory Planning for a Quadrotor Unmanned Aerial Vehicle Test-bed Considering Actuator and System Constraints
By: Chamseddine, Abbas; Li, Tong; Zhang, Youmin; et al.
Book Group Author(s): IEEE
Conference: American Control Conference (ACC) Location: Montreal, CANADA Date: JUN 27-29, 2012
Sponsor(s): Boeing Co; Bosch; Corning; Eaton; GE Global Res; Honeywell; MathWorks; Mitsubishi Elect Res Lab; Natl Instruments; Xerox; Adept MobileRobots; Momentum Press; Quanser; SIAM; Springer; Taylor & Francis; United Technologies Res Ctr; Visual Solut; Wiley-Blackwell

80. Condition monitoring and fault detection of a compressor using signal processing techniques
By: Zhang, YM; Jiang, J; Flatley, M; et al.
Book Group Author(s): AACC; AACC; AACC
Conference: American Control Conference (ACC) Location: ARLINGTON, VA Date: JUN 25-27, 2001
Sponsor(s): Amer Automat Control Council; IFAC
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Sum of Times Cited: 3,377
Without self citations: 3,056
Citing articles: 2,431
Without self citations: 2,312

Sum of Times Cited per Year

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Optimal control law for Fault Tolerant Control Systems in noisy environment
By: Mahmoud, M; Jiang, A; Zhang, Y
Book Group Author(s): AACC; AACC; AACC
Conference: American Control Conference (ACC) Location: ARLINGTON, VA
Date: JUN 25-27, 2001
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<th>Title</th>
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<td>92</td>
<td>Output Feedback Attitude Tracking for Spacecraft Under Control Saturation and Disturbance</td>
<td>Hu, Qinglei; Jiang, Boyan; Zhang, Youmin</td>
<td>JOURNAL OF DYNAMIC SYSTEMS MEASUREMENT AND CONTROL-TRANSACTIONS OF THE ASME, Volume 138, Issue 1, Article Number: 011006, Published: JAN 2016</td>
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<td>93</td>
<td>Hybrid adaptive fault-tolerant control algorithms for voltage and frequency regulation of an islanded microgrid</td>
<td>Vargas-Martinez, Adriana; Minchala Avila, Luis Ismael; Zhang, Youmin; et al.</td>
<td>INTERNATIONAL TRANSACTIONS ON ELECTRICAL ENERGY SYSTEMS, Volume 25, Issue 5, Pages: 827-844, Published: MAY 2015</td>
</tr>
<tr>
<td>94</td>
<td>Sliding Mode Reconfigurable Fault Tolerant Control for Nonlinear Aircraft Systems</td>
<td>Wang, Tao; Xie, Wenfang; Zhang, Youmin</td>
<td>JOURNAL OF AEROSPACE ENGINEERING, Volume 28, Issue 3, Article Number: 04014086, Published: MAY 2015</td>
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<tr>
<td>95</td>
<td>Sense and Collision Avoidance of Unmanned Aerial Vehicles Using Markov Decision Process and Flatness Approach</td>
<td>By: Fu, Yu; Yu, Xiang; Zhang, Youmin; et al.</td>
<td>IEEE International Conference on Information and Automation, Location: Lijiang, PEOPLES R CHINA, Date: AUG 08-10, 2015</td>
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<td>96</td>
<td>UAV-based Forest Fire Detection and Tracking Using Image Processing Techniques</td>
<td>By: Yuan, Chi; Liu, Zhixiang; Zhang, Youmin; et al.</td>
<td>INTERNATIONAL CONFERENCE ON UNMANNED AIRCRAFT SYSTEMS (ICUAS), Location: Denver, CO, Date: JUN 09-12, 2015</td>
</tr>
<tr>
<td>97</td>
<td>Actuator Fault Diagnosis in a Boeing 747 Model via Adaptive Modified Two-Stage Kalman Filter</td>
<td>By: Caliskan, Fikret; Zhang, Youmin; Wu, N. Eva; et al.</td>
<td>INTERNATIONAL JOURNAL OF AEROSPACE ENGINEERING, Article Number: 472395, Published: 2014</td>
</tr>
<tr>
<td>98</td>
<td>A Learning-Based Fuzzy LQR Control Scheme for Height Control of An Unmanned Quadrotor Helicopter</td>
<td>By: Liu, Z. X.; Yuan, C.; Zhang, Y. M.; et al.</td>
<td>IEEE International Conference on Unmanned Aircraft Systems (ICUAS), Location: Orlando, FL, Date: MAY 27-30, 2014</td>
</tr>
<tr>
<td>99</td>
<td>Actuator Fault Compensation via Multiple Model Based Adaptive Control</td>
<td>By: Guo, Yuying; Jiang, Bin; Zhang, Youmin; et al.</td>
<td>IEEE 7th World Congress on Intelligent Control and Automation, Location: Chongqing, PEOPLES R CHINA, Date: JUN 25-27, 2008</td>
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By: Yu, Xiang; Lu, Zhixiang; Zhang, Youmin
IEEE TRANSACTIONS ON CONTROL SYSTEMS TECHNOLOGY Volume: 25 Issue: 4 Pages: 1431-1440 Published: JUL 2017
<table>
<thead>
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<td>102</td>
<td>Fault-tolerant control of switched nonlinear systems with</td>
<td>Jin, Ying; Zhang, Youmin; Jing, Yuanwei</td>
<td>Neurocomputing, Volume: 205, Pages: 204-209, Published: SEP 12 2016</td>
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<td>103</td>
<td>Fault-Tolerant Formation Control of Unmanned Aerial Vehicles in the Presence of Actuator Faults and Obstacles</td>
<td>Liu, Zhixiang; Yuan, Chi; Yu, Xiang; et al.</td>
<td>Unmanned Systems, Volume: 4, Issue: 3, Pages: 197-211, Published: JUL 2016</td>
</tr>
<tr>
<td>108</td>
<td>Fault-tolerant cooperative control in an offshore wind farm using model-free and model-based fault detection and diagnosis approaches</td>
<td>Badihi, Hamed; Zhang, Youmin; Hong, Henry</td>
<td>Applied Energy, Volume: 201, Pages: 284-307, Published: SEP 1 2017</td>
</tr>
<tr>
<td>109</td>
<td>A Learning-Based Fault Tolerant Tracking Control of an Unmanned Quadrotor Helicopter</td>
<td>Liu, Zhixiang; Yuan, Chi; Zhang, Youmin; et al.</td>
<td>Journal of Intelligent &amp; Robotic Systems, Special Issue: SI, Pages: 145-162, Published: DEC 2016</td>
</tr>
<tr>
<td>110</td>
<td>LPV Model-Based Tracking Control and Robust Sensor Fault Diagnosis for a Quadrotor UAV</td>
<td>Ronay Lopez-Estrada, Francisco; Ponsart, Jean-Christophe; Theilliol, Didier; et al.</td>
<td>Journal of Intelligent &amp; Robotic Systems, Volume: 84, Issue: 1-4, Pages: 0-0, Published: DEC 2016</td>
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Set-membership estimation-based adaptive reconfiguration scheme for linear systems with disturbances

By: Guo, Yuying; Zhang, Youmin; Jiang, Bin

INTERNATIONAL JOURNAL OF ADAPTIVE CONTROL AND SIGNAL PROCESSING Volume: 30 Issue: 2 Special Issue: SI Pages: 359-374

Published: FEB 2016

2014 2015 2016 2017 2018 Total Average

Citations per Year

0 1 0 0 0 1 0.50
112. Design of Fault-Tolerant Cooperative Control Algorithm Applied

By: Kamel, Mohamed A.; Yu, Xiang; Zhang, Youmin
Book Group Author(s): IEEE
Conference: American Control Conference (ACC) Location: Boston, MA Date: JUL 06-08, 2016
Sponsor(s): Amer Automat Control Council

113. Leader-Follower Formation Control of Unmanned Aerial Vehicles with Fault Tolerant and Collision Avoidance Capabilities

By: Liu, Z. X.; Yu, X.; Yuan, C.; et al.
Book Group Author(s): IEEE
Conference: International Conference on Unmanned Aircraft Systems (ICUAS) Location: Denver, CO Date: JUN 09-12, 2015
Sponsor(s): IEEE; CSS; IEEE Robot & Automat Soc; MCA
2015 INTERNATIONAL CONFERENCE ON UNMANNED AIRCRAFT SYSTEMS (ICUAS'15) Book Series: International Conference on Unmanned Aircraft Systems Pages: 1025-1030 Published: 2015

114. Design of a Pole Placement Active Power Control System for Supporting Grid Frequency Regulation and Fault Tolerance in Wind Farms

By: Badihi, Hamed; Zhang, Youmin; Hong, Henry
Conference: 19th World Congress of the International-Federation-of-Automatic-Control (IFAC) Location: Cape Town, SOUTH AFRICA Date: AUG 24-29, 2014
Sponsor(s): Int Federat Automat Control
IFAC PAPERSONLINE Volume: 47 Issue: 3 Pages: 4328-4333 Published: 2014

115. Linear Parameter Varying Control Synthesis: State Feedback versus H infinity Technique with Application to Quadrotor UAV

By: Sadeghzadeh, Iman; Chamseedine, Abbas; Theilliol, Didier; et al.
Book Group Author(s): IEEE
Sponsor(s): IEEE Robot & Automat Soc; IEEE CSS; ICUAS; Mediterranean Control Assoc; Univ Denver

116. A Review on Application of Monitoring, Diagnosis, and Fault-Tolerant Control to Wind Turbines

By: Badihi, Hamed; Zhang, Youmin; Hong, Henry
Book Group Author(s): IEEE
Conference: 2nd International Conference on Control and Fault-Tolerant Systems (SysTol) Location: Nice, FRANCE Date: OCT 09-11, 2013
Sponsor(s): IEEE; IEEE Control Syst Soc; IEEE Reliabili Soc; Res Ctr Automat Control Nancy; Univ Lorraine
2013 2ND INTERNATIONAL CONFERENCE ON CONTROL AND FAULT-TOLENTANT SYSTEMS (SYSTOL) Book Series: Conference on Control and Fault-Tolerant Systems Pages: 365-370 Published: 2013

117. Fault-Tolerant Control Design for a Large Off-Shore Wind Turbine Using Fuzzy Gain-Scheduling and Signal Correction

By: Badihi, Hamed; Zhang, Youmin; Hong, Henry
Book Group Author(s): IEEE
Sponsor(s): Boeing; Eaton; Halliburton; Honeywell; MathWorks; Mitsubishi Elect Res Lab; Natl Instruments; United Technologies Res Ctr; Xerox; dSpace; Journal Franklin Inst; GE Global Res; Quanser; SIAM; Springer; Taylor & Francis Grp CRC Press; Wiley

118. Fault-tolerant Control of Switched Nonlinear Systems with Strong Structural Uncertainties: Average Dwell-time Method

By: Jin Ying; Fu Jun; Zhang Youmin; et al.
Book Group Author(s): IEEE
Sponsor(s): Syst Engn Soc China; NW Polytech Univ; Chinese Assoc Automat, Tech Comm Control Theory; Chinese Acad Sci, Acad Math & Syst Sci; China Soc Ind & Apal Math; Xian Jiaotong Univ; Xian Univ Technol; IEEE Control Syst Soc; Soc Instrument & Control Engineers Japan; Inat Control Robot & Syst
119. Multi-Model Based Adaptive Reconfiguration Control for Flight Control Systems with Actuator Faults

By: Guo, Yuying; Zhang, Youmin; Shi, Peng; et al.

Conference: 23rd Chinese Control and Decision Conference
Location: Mianyang, PEOPLES R CHINA
Date: MAY 23-25, 2011
Sponsor(s): NE Univ; IEEE Ind Elect Chapter; IEEE Harbin Sect Control Syst Soc Chapter; SW Univ Sci & Technol; IEEE Control Syst Soc; Syst Engr Soc China; Chinese Assoc Artificial Intelligence; Chinese Assoc Automat, Tech Comm Control Theory

120. Active Fault-Tolerant Control Design for T-S Fuzzy Systems with Application to a Near Space Vehicle

By: Gao, Zhifeng; Jiang, Bin; Zhang, Youmin; et al.

Conference: IEEE International Conference on Control Applications Part of 2010 IEEE Multi-Conference on Systems and Control
Location: Yokohama, JAPAN
Date: SEP 08-10, 2010

2010 IEEE INTERNATIONAL SYMPOSIUM ON INTELLIGENT CONTROL
Book Series: IEEE International Symposium on Intelligent Control
Pages: 123-128
Published: 2010
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121. Multi-Model-Based Flight Control System Reconfiguration Control in the Presence of Input Constraints

By: Guo, Yuying; Zhang, Youmin; Jiang, Bin

Book Group Author(s): IEEE

Conference: 8th World Congress on Intelligent Control and Automation (WCICA)

Location: Jinan, PEOPLES R CHINA Date: JUL 06-09, 2010
Decentralized Receding Horizon Control of Multiple Vehicles subject to Communication Failure

By: Izadi, Hojjat A.; Gordon, Brandon W.; Zhang, Youmin

Book Group Author(s): IEEE

Conference: American Control Conference 2009 Location: St Louis, MO Date: JUN 10-12, 2009

2009 AMERICAN CONTROL CONFERENCE, VOLS 1-9 Book Series: PROCEEDINGS OF THE AMERICAN CONTROL CONFERENCE Pages: 3531-3536 Published: 2009

Design and evaluation of model-group switching algorithm for multiple-model estimation with variable structure

By: Li, XR; Zhang, YM; Zhi, XR

Edited by: Drummond, OE

Conference: Conference on Signal and Data Processing of Small Targets 1997 Location: SAN DIEGO, CA Date: JUL 29-31, 1997


Hybrid training of RBF networks with application to nonlinear systems identification

By: Zhang, YM; Li, XR

Book Group Author(s): IEEE

Conference: 35th IEEE Conference on Decision and Control Location: KOBE, JAPAN Date: DEC 11-13, 1996


Active Fault-Tolerant Control of Unmanned Quadrotor Helicopter Using Linear Parameter Varying Technique

By: Liu, Zhixiang; Yuan, Chi; Zhang, Youmin

JOURNAL OF INTELLIGENT & ROBOTIC SYSTEMS Volume: 88 Issue: 2-4 Special Issue: SI Pages: 415-436 Part: 1 Published: DEC 2017

Special Issue on Unmanned Aircraft Systems

By: Valavanis, Kimon P.; Chen, Yang Quan; Quagliotti, Fulvia; et al.

JOURNAL OF INTELLIGENT & ROBOTIC SYSTEMS Volume: 88 Issue: 2-4 Special Issue: SI Pages: 217-217 Part: 1 Published: DEC 2017

Aerial Images-Based Forest Fire Detection for Firefighting Using Optical Remote Sensing Techniques and Unmanned Aerial Vehicles

By: Yuan, Chi; Liu, Zhixiang; Zhang, Youmin

JOURNAL OF INTELLIGENT & ROBOTIC SYSTEMS Volume: 88 Issue: 2-4 Special Issue: SI Pages: 635-654 Part: 1 Published: DEC 2017

Fault-tolerant cooperative control for multiple UAVs based on sliding mode techniques

By: Li, Peng; Yu, Xiang; Peng, Xiaoyan; et al.

SCIENCE CHINA-INFORMATION SCIENCES Volume: 60 Issue: 7 Article Number: 070204 Published: JUL 2017

L-2 performance control of robot manipulators with kinematics, dynamics and actuator uncertainties

By: Xu, Liang; Hu, Qinglei; Zhang, Youmin

INTERNATIONAL JOURNAL OF ROBUST AND NONLINEAR CONTROL Volume: 27 Issue: 6 Pages: 875-893 Published: APR 1 2017

Passive Fault-Tolerant Cooperative Control in an Offshore Wind Farm

By: Badhi, Hamed; Zhang, Youmin

Edited by: Yan, J.; Sun, F.; Chou, SK; et al.

Conference: 8th International Conference on Applied Energy (ICAE) Location: Beijing, PEOPLES R CHINA Date: OCT 08-11, 2016

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Sum of Times Cited per Year


Citations per Year

2014 2015 2016 2017 2018 Total

1 410 497 633 387 3377 168.85

Self-Healing Control Design under Actuator Fault Occurrence on Single-rotor Unmanned Helicopters

By: Qi, Xin; Qi, Juntong; Theilliol, Didier; et al.

JOURNAL OF INTELLIGENT & ROBOTIC SYSTEMS Volume: 84 Issue: 1-4
Special Issue: SI Pages: 21-35 Published: DEC 2016
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</tr>
</tbody>
</table>

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141. Trajectory Planning for Terminal Area Energy Management Phase of Reusable Launch Vehicles

By: Mu, Lingxia; Yu, Xiang; Zhang, Youmin; et al.
Conference: 20th IFAC Symposium on Automatic Control in Aerospace (ACA)
Location: Sherbrooke, CANADA Date: AUG 21-25, 2016
Sponsor(s): Int Federat Automat Control, Tech Comm 73 Aerosp; Int Federat
142. The Design of Fault-Tolerant Flight Control within Actuator Control Authority

By: Yu, Xiang; Fu, Yu; Zhang, Youmin
Book Group Author(s): IEEE
Sponsor(s): IEEE; GNC SAA; Key Lab Sci & Technol Natl Def; IEEE Control Syst Soc Chapter; Nanjing Univ Aeronaut & Astronaut; CASC Sci & Technol Aero&Space Intelligent Control Lab; Beihang Univ; AVIC; ITCT; Jiangsu Key Lab; Chinese Soc Aeronaut & Astronaut, Tech Comm Guidance Nav & Control; Sci & Technol Aircraft Control Lab; Chinese Assoc Automat, Tech Comm Control Theory; AVIC Xian Flight Automat Control Res Inst; Jiangsu Key Lab Internet Things & Control Technologies

2016 IEEE CHINESE GUIDANCE, NAVIGATION AND CONTROL CONFERENCE (CGNCC) Pages: 1851-1856 Published: 2016

143. Unmanned Aerial Vehicle Based Forest Fire Monitoring and Detection Using Image Processing Technique

By: Yuan, Chi; Ghamry, Khaled A.; Liu, Zhixiang; et al.
Book Group Author(s): IEEE
Sponsor(s): IEEE; GNC SAA; Key Lab Sci & Technol Natl Def; IEEE Control Syst Soc Chapter; Nanjing Univ Aeronaut & Astronaut; CASC Sci & Technol Aero&Space Intelligent Control Lab; Beihang Univ; AVIC; ITCT; Jiangsu Key Lab; Chinese Soc Aeronaut & Astronaut, Tech Comm Guidance Nav & Control; Sci & Technol Aircraft Control Lab; Chinese Assoc Automat, Tech Comm Control Theory; AVIC Xian Flight Automat Control Res Inst; Jiangsu Key Lab Internet Things & Control Technologies

2016 IEEE CHINESE GUIDANCE, NAVIGATION AND CONTROL CONFERENCE (CGNCC) Pages: 1870-1875 Published: 2016

144. DATA-DRIVEN MODEL-BASED FAULT DIAGNOSIS IN A WIND TURBINE WITH ACTUATOR FAULTS

By: Badihi, Hamed; Rad, Javad Soltani; Zhang, Youmin; et al.
Book Group Author(s): ASME
Conference: ASME International Mechanical Engineering Congress and Exposition (IMECE) Location: Montreal, CANADA Date: NOV 14-20, 2014
Sponsor(s): ASME

ASME INTERNATIONAL MECHANICAL ENGINEERING CONGRESS AND EXPOSITION, 2014, VOL 4B Article Number: V04BT04A056 Published: 2015

145. Sense and Collision Avoidance of Unmanned Aerial Vehicles Using Geometric Guidance and Flatness Approaches

By: Fu, Yu; Soupin, Puthy; Yu, Xiang; et al.
Book Group Author(s): IEEE
Conference: International Conference on Unmanned Aircraft Systems (ICUAS) Location: Denver, CO Date: JUN 09-12, 2015
Sponsor(s): IEEE; CSS; IEEE Robot & Automat Soc; MCA


146. Active Fault Tolerant Control of an Unmanned Surface Vehicle

By: Liu, Zhixiang; Zhang, Youmin; Yuan, Chi
Book Group Author(s): IEEE
Conference: 15th International Conference on Control, Automation and Systems (ICCAS) Location: Busan, SOUTH KOREA Date: OCT 13-16, 2015
Sponsor(s): Busan Tourism Org; Korea Tourism Org; Koh Young Technol Inc; Chonnam Natl Univ, Robot Res Initiat; SNU, Bio Mimet Robot Res Ctr; Samsung Heavy Ind Co Ltd; LS Ind Syst Co Ltd; RS Automat; Dongil SHIMADZI Corp

2015 15TH INTERNATIONAL CONFERENCE ON CONTROL, AUTOMATION AND SYSTEMS (ICCAS) Book Series: International Conference on Control Automation and Systems Pages: 66-71 Published: 2015

147. An Adaptive Linear Parameter Varying Fault Tolerant Control Scheme for Unmanned Surface Vehicle Steering Control

By: Liu Zhixiang; Zhang Youmin; Yuan Chi; et al.
Edited by: Zhao, Q; Liu, S
Sponsor(s): Chinese Assoc Automat, Tech Comm Control Theory; Hangzhou Dianzi Univ

2015 34TH CHINESE CONTROL CONFERENCE (CCC) Book Series: Chinese
Optimization-based Reliable Control Allocation Design for Over-actuated Systems

By: Theilliol, Didier; Weber, Phillippe; Chamseddine, Abbas; et al.

Conference: International Conference on Unmanned Aircraft Systems (ICUAS)
Location: Denver, CO Date: JUN 09-12, 2015
Sponsor(s): IEEE; CSS; IEEE Robot & Automation Soc; MCA

Fault-Tolerant Control of a Class of Switched Time-Delay Systems with Average Dwelling Time Method

By: Jin, Ying; Fu, Jun; Zhang, Youmin; et al.

Conference: 19th World Congress of the International-Federation-of-Automatic-Control (IFAC) Location: Cape Town, SOUTH AFRICA Date: AUG 24-29, 2014
Sponsor(s): Int Federat Automat Control

Passive Fault-Tolerant Flight Controller Design against Actuator Outages

By: Yu, Xiang; Zhang, Youmin

Book Group Author(s): IEEE
Sponsor(s): IEEE Beijing Sect; IEEE; IEEE AESS Beijing Chapter; IEEE CSS Chapter, Singapore; AVIC; IEEE CSS Chapter, Nanjing, China

2014 IEEE CHINESE GUIDANCE, NAVIGATION AND CONTROL CONFERENCE (CGNCC) Pages: 1276-1281 Published: 2014
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By: Guo, Yuying; Zhang, Youmin; Jiang, Bin
Book Group Author(s): IEEE
Observer-based Finite Time Control for Spacecraft Attitude Stabilization

By: Li Bo; Hu Qinglei; Jiang Chengping; et al.
Book Group Author(s): IEEE

Adaptive Fault-tolerant Control Design for UAVs Formation Flight under Actuator Faults

By: Xu, Qing; Yang, Hao; Jiang, Bin; et al.
Book Group Author(s): IEEE
Sponsor(s): IEEE; ICUAS Assoc Inc; CSS; Mediterranean Control Assoc; Univ Denver; Springer; KS&P Technologies LLC

State-Feedback Stabilization of Linear Systems Subject to Time-Varying Input Delays, Actuator Saturation, and Bounded Disturbances

By: Fan, Jinhua; Zhang, Youmin; Zheng, Zhiqiang
Book Group Author(s): IEEE
Conference: American Control Conference (ACC) Location: Montreal, CANADA Date: JUN 27-29, 2012
Sponsor(s): Boeing Co; Bosch; Corning; Eaton; GE Global Res; Honeywell; MathWorks; Mitsubishi Elct Res Lab; Natl Instruments; Xerox; Adept MobileRobots; Momentum Press; Quanser; SIAM; Springer; Taylor & Francis; United Technologies Res Ctr; Visual Solut; Wiley-Blackwell

INTEGRATED ADAPTIVE FAULT DIAGNOSIS AND STATE-FEEDBACK CONTROL FOR SYSTEMS WITH CONSTANT ACTUATOR FAULTS AND CONTROL INPUT CONSTRAINTS

By: Fan, Jinhua; Zhang, Youmin; Zheng, Zhiqiang
Book Group Author(s): ASME
Sponsor(s): Amer Soc Mech Engineers, Design Engn Div; Amer Soc Mech Engineers, Comp & Informat Engn Div

ACTIVE FAULT TOLERANT CONTROL OF A QUADROTOR UAV BASED ON GAIN-SCHEDULED PID CONTROL

By: Sadeghzadeh, Iman; Mehta, Ankit; Chamseddine, Abbas; et al.
Book Group Author(s): IEEE
Conference: 25th IEEE Canadian Conference on Electrical and Computer Engineering (CCECE) Location: Montreal, CANADA Date: APR 29-MAY 02, 2012
Sponsor(s): IEEE; IEEE Canada

VORONOI-BASED COVERAGE CONTROL FOR MULTI-QUADROTOR UAVS

By: Sharifi, Farid; Zhang, Youmin; Gordon, Brandon W.
Book Group Author(s): ASME
Fault Tolerant Control System against Actuator Failures Based on Re-configuring Reference Input

By: Theilliol, D.; Zhang, Y. M.; Ponsart, J. C.

Conference: International Conference on Advances in Computational Tools for Engineering Applications
Location: Beirut, LEBANON
Date: JUL 15-17, 2009
Sponsor(s): IEEE Lebanon Sect; Notre Dame Univ

Pages: 481-+ Published: 2009

Reconfigurable control allocation against aircraft control effector failures

By: Zhang, Youmin; Suresh, V. Sivasubramaniam; Jiang, Bin; et al.

Conference: IEEE Conference on Control Applications
Location: Singapore, SINGAPORE
Date: OCT 01-03, 2007
Sponsor(s): IEEE

Pages: 1304-+ Published: 2007
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161. Integrated diagnosis and reconfigurable control for actuator and sensor faults in a pressurizer of a nuclear power plant
By: Jiang, J; Zhang, YM
A new clustering and training method for radial basis function networks

By: Zhang, YM; Li, XR; Zhu, ZW; et al.
Book Group Author(s): IEEE
Conference: 1996 IEEE International Conference on Neural Networks (ICNN 96)
Location: WASHINGTON, DC Date: JUN 02-06, 1996
Sponsor(s): IEEE
ICNN - 1996 IEEE INTERNATIONAL CONFERENCE ON NEURAL NETWORKS, VOLS. 1-4 Pages: 311-316 Published: 1996

A new fast U-D factorization-based learning algorithm with applications to nonlinear system modeling and identification

By: Zhang, YM; Li, XR
Book Group Author(s): IEEE
Conference: 1996 IEEE International Conference on Neural Networks (ICNN 96)
Location: WASHINGTON, DC Date: JUN 02-06, 1996
Sponsor(s): IEEE
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Detection and identification of bias faults in nonlinear system

By: Zhang, YM; Li, XR; Yang, XD; et al.
Book Group Author(s): IEEE
Conference: 35th IEEE Conference on Decision and Control Location: KOBE, JAPAN Date: DEC 11-13, 1996
Sponsor(s): IEEE Control Syst Soc; Soc Instrument & Control Engineers; Inst Syst Control & Infomat Engineers; Soc Ind & Appl Math; Operat Res Soc Amer
PROCEEDINGS OF THE 35TH IEEE CONFERENCE ON DECISION AND CONTROL - PROCEEDINGS Pages: 638-639 Published: 1996