# A new discrete-time robust stability condition

| # | Paper | IF | Citations |
|---|---|---|---|
| 1207 | Robust H/sub /spl infin// and l/sub 2/-l/sub /spl infin// filtering for discrete time-delay systems with nonlinear disturbances. | | |
| 1206 | Robust pole location for an interacting tank system with uncertain parameters. | | |
| 1205 | Parametrized linear matrix inequalities for nonlinear discrete H/sub /spl infin// control. | | 5 |
| 1204 | An LMI optimization approach to multiobjective controller design for discrete-time systems. | | 47 |
| 1203 | Robust filtering of discrete-time linear systems with parameter dependent Lyapunov functions. | | 6 |
| 1202 | Robust Multi-Objective Control for Real Uncertainties Via Parameter-Dependent Lyapunov Functions. **2000**, 33, 213-218 | | 3 |
| 1201 | The H2-Control For Markovian Jump Linear Systems with Cluster Observations of the Markov State. **2000**, 33, 335-340 | | |
| 1200 | An LMI Condition for Robust Stability of Polynomial Matrix Polytopes 1. **2000**, 33, 13-18 | | |
| 1199 | Mixed H2/Hâ multi-channel linear parameter-varying control in discrete time. *Systems and Control Letters*, **2000**, 41, 333-346 | 2.4 | 61 |
| 1198 | A new robust -stability condition for real convex polytopic uncertainty. *Systems and Control Letters*, **2000**, 40, 21-30 | 2.4 | 458 |
| 1197 | Mixed H/sub 2//H/sub /spl infin// multi-channel linear parameter-varying control in discrete time. **2000**, | | 1 |
| 1196 | A precise robust matrix root-clustering analysis with respect to polytopic uncertainty. **2000**, | | 0 |
| 1195 | Parameter dependent Lyapunov function for global chaos synchronization of discrete time hybrid systems. | | 2 |
| 1194 | New robust stability and performance conditions based on parameter dependent multipliers. | | 21 |
| 1193 | Analysis, eigenstructure assignment and H/sub 2/ multichannel synthesis with enhanced LMI characterizations. | | 3 |
| 1192 | New LMI-based conditions for robust H/sub 2/ performance analysis. **2000**, | | 2 |
| 1191 | Continuous-time analysis, eigenstructure assignment, and H/sub 2/ synthesis with enhanced linear matrix inequalities (LMI) characterizations. **2001**, 46, 1941-1946 | | 259 |

| | | |
|---|---|---|
| 1172 | ROBUST CONTROL SYNTHESIS VIA A GENETIC ALGORITHM AND LMIS. **2002**, 35, 1-6 | 3 |
| 1171 | Robust D/sub R/-stability analysis against both polytopic and JL-structured uncertainty. | |
| 1170 | OUTPUT FEEDBACK STABILIZATION OF LINEAR UNCERTAIN DISCRETE SYSTEMS WITH GUARANTEED COST. **2002**, 35, 211-215 | 0 |
| 1169 | STABILITY ROBUSTNESS ANALYSIS OF UNCERTAIN DISCRETE-TIME DESCRIPTOR SYSTEMS. **2002**, 35, 71-76 | |
| 1168 | NONLINEAR H-INFINITY CONTROL: AN LMI APPROACH. **2002**, 35, 91-96 | 5 |
| 1167 | ON STABILITY TESTS FOR LINEAR SYSTEMS. **2002**, 35, 125-130 | 7 |
| 1166 | Robust pole location by parameter dependent state feedback control. | 11 |
| 1165 | A new LMI condition for robust stability of polynomial matrix polytopes. **2002**, 47, 1775-1779 | 9 |
| 1164 | LMI based robust stability conditions for linear uncertain systems: a numerical comparison. **2002**, | 8 |
| 1163 | Stability analysis of discrete-time systems with actuator saturation by a saturation-dependent Lyapunov function. | |
| 1162 | Robust mixed /spl Hscr//sub 2///spl Hscr//sub /spl infin// filtering of 2-D systems. **2002**, 50, 1759-1771 | 87 |
| 1161 | Stability analysis and control synthesis for switched systems: a switched Lyapunov function approach. **2002**, 47, 1883-1887 | 918 |
| 1160 | Robust HRx filtering for linear discrete-time state-space models with uncertain time-varying parameters. **2002**, | |
| 1159 | Extended H 2 and H norm characterizations and controller parametrizations for discrete-time systems. **2002**, 75, 666-679 | 498 |
| 1158 | Robust stability functionals of state delayed systems with polytopic type uncertainties via parameterdependent Lyapunov functions. **2002**, 75, 1427-1434 | 53 |
| 1157 | Robust D stabilization of a polytope of matrices. **2002**, 75, 744-752 | 15 |
| 1156 | Gain-scheduled filtering for parameter-dependent digital systems. | |
| 1155 | Robust controller synthesis with parameter-dependent Lyapunov variables: a dilated LMI approach. | 9 |

| 1136 | An improved LMI condition for robust D-stability of uncertain polytopic systems. | 2 |
| 1135 | An improved LMI condition for robust D-stability of uncertain polytopic systems. **2003**, 48, 500-504 | 129 |
| 1134 | On quadratic stability and stabilization of discrete-time interval systems. | |
| 1133 | Transient response shaping in H/sub /spl infin// control by eigenstructure assignment to convex regions. | 1 |
| 1132 | Synthesis of controllers for modal shaping in linear parameter-varying systems via the implicit model following formulation. | 2 |
| 1131 | . | 8 |
| 1130 | Variable structure PID controller for cooperative eye-in-hand/eye-to-hand visual servoing. | 8 |
| 1129 | . | 3 |
| 1128 | Improved LMI representations for bounded real criterion of systems with polytopic type uncertainty. | 0 |
| 1127 | Probabilistic design of a robust state-feedback controller based on parameter-dependent Lyapunov functions. | 9 |
| 1126 | Guaranteed cost analysis and control for a class of uncertain nonlinear discrete-time systems. | 0 |
| 1125 | ESPR analysis and synthesis of discrete-time systems with polytopic uncertainty. | |
| 1124 | Robust stability and performance analysis for parameter dependent systems using mixed multipliers. | |
| 1123 | Robust filtering with l/sub 2/-l/sub /spl infin// performance for uncertain discrete-time systems with multiple state delays. | |
| 1122 | A mode-independent H/sub /spl infin// filter design for discrete-time Markovian jump linear systems. | 9 |
| 1121 | Robust digital model predictive control for linear uncertain systems with saturations. | |
| 1120 | A dilated LMI approach to robust performance analysis of linear time-invariant uncertain systems. | 2 |
| 1119 | Hâ Guaranteed Cost Computation by Means of Parameter Dependent Lyapunov Functions. **2003**, 36, 25-30 | |

1118    A Dilated LMI Approach to Continuous-Time Gain-Scheduled Controller Synthesis with Parameter-Dependent Lyapunov Variables. **2003**, 36, 401-406

1117    Robust Pole Placement for Second-Order Systems: An LMI Approach. **2003**, 36, 419-424    4

1116    Adaptive Filter Design for FDI in Nonlinear Systems Based on Multiple Model Approach. **2003**, 36, 645-650    2

1115    Robust Output Feedback Control Synthesis: LMI Approach. **2003**, 36, 339-344    1

1114    Delay-independent robust stability conditions of neutral linear time-delay systems #. **2003**, 36, 281-286    1

1113    Robust Output Feedback Design of Discrete-Time Systems - Linear Matrix Inequality Methods. **2003**, 36, 363-368    3

1112    Robust Output Feedback Design of Linear Discrete-Time Systems - LMI Approach. **2003**, 36, 395-400

1111    Robust Output Feedback Controller Design: LMI Approach. **2003**, 36, 75-80    0

1110    Less conservative time-delay independent LMI conditions for continuous-time polytopic systems. **2003**, 36, 263-268

1109    Estabilidade robusta de sistemas lineares atravŝ de desigualdades matriciais lineares. **2004**, 15, 24-40    4

1108    On LMI robust D-stability condition for real convex polytopic uncertainty.

1107    . **2004**,    4

1106    Off-line formulation of robust model predictive control based on several Lyapunov functions.

1105    On parameter-dependent Lyapunov functions for robust stability of linear systems. **2004**,    37

1104    Robust stability condition for continuous-time systems. **2004**, 40, 978    8

1103    Mixed Gl2/GH2 multi-channel multi-objective control synthesis for discrete time systems. **2004**, 5, 827-34    1

1102    Parameter-dependent Lyapunov functional for systems with multiple time delays. **2004**, 2, 239-245    2

1101    Robust Hâ control for discrete-time polytopic uncertain systems with linear fractional vertices. **2004**, 2, 75-81    4

| 1100 | Robust analysis and control for a class of uncertain nonlinear discrete-time systems. *Systems and Control Letters*, **2004**, 53, 377-393 | 2.4 | 11 |

| 1099 | LMI-based relaxed nonquadratic stabilization conditions for nonlinear systems in the TakagiâSugeno's form. **2004**, 40, 823-829 | | 624 |

| 1098 | Robust output-feedback controller design via local BMI optimization. **2004**, 40, 1115-1127 | | 133 |

| 1097 | New dilated LMI characterizations for continuous-time multiobjective controller synthesis. **2004**, 40, 2003-2009 | | 86 |

| 1096 | A synthesis approach of on-line constrained robust model predictive control. **2004**, 40, 163-167 | | 76 |

| 1095 | Improved robust H2 and HâFiltering for uncertain discrete-time systems. **2004**, 40, 873-880 | | 255 |

| 1094 | Hâguaranteed cost computation by means of parameter-dependent Lyapunov functions. **2004**, 40, 1053-1061 | | 54 |

| 1093 | A new bound on the generalization rate of sampled convex programs. **2004**, | | 5 |

| 1092 | Robust digital model predictive control for linear uncertain systems with saturations. **2004**, 49, 792-796 | | 35 |

| 1091 | An improved LMI-based D-stability condition for polytopic uncertain systems. | | |

| 1090 | Transient response shaping in H/sub /spl infin// control by loose eigenstructure assignment technique. | | |

| 1089 | Structured controller synthesis using LMI and alternating projection method. **2004**, 77, 1137-1147 | | 17 |

| 1088 | Robust filtering for discrete nonlinear fractional transformation systems. **2004**, 51, 587-592 | | 13 |

| 1087 | System analysis using redundancy of descriptor representation. | | 4 |

| 1086 | Robust impulse-to-peak synthesis: application to the control of an aerospace launcher. | | 0 |

| 1085 | A delay-dependent approach analysis to robust filtering. | | 1 |

| 1084 | Robust stability analysis for uncertain time-delay systems based on polyhedral Lyapunov-Krasovskii functional. | | |

| 1083 | Robust stabilization for stochastic time-delay systems with polytopic uncertainties. | | |

| 1082 | Robust control through piecewise Lyapunov functions for discrete time-varying uncertain systems. **2004**, 77, 230-238 | 25 |
| 1081 | l/sub 2/-gain analysis of discrete-time systems with saturation nonlinearity using parameter dependent Lyapunov function. **2004**, | 8 |
| 1080 | A descriptor system approach to robust stability analysis and controller synthesis. **2004**, 49, 2081-2084 | 80 |
| 1079 | A delay-dependent approach to robust H/sub /spl infin// filtering for uncertain discrete-time state-delayed systems. **2004**, 52, 1631-1640 | 286 |
| 1078 | 2 guaranteed cost computation by means of parameter dependent Lyapunov functions. **2004**, 35, 305-315 | 19 |
| 1077 | Parameter-dependent Lyapunov functional for stability of time-delay systems with polytopic-type uncertainties. **2004**, 49, 828-832 | 500 |
| 1076 | Reliable LQ fuzzy control for nonlinear discrete-time systems via LMIs. **2004**, 34, 1270-5 | 37 |
| 1075 | Synthesizing on-line constrained robust model predictive control based-on nominal performance cost. | 1 |
| 1074 | Non-Quadratic Stabilization Conditions for Uncertain Discrete Nonlinear Models in the Takagi-Sugeno's Form. **2004**, 37, 61-66 | 1 |
| 1073 | Fault Diagnosis on Industrial Systems Based on a Multiple Model Approach. **2004**, 37, 107-112 | |
| 1072 | Multi-Objective Robust Control of an Evaporation Process. **2004**, 37, 113-118 | |
| 1071 | STATE ESTIMATION IN COORDINATED CONTROL WITH A NON-STANDARD INFORMATION ARCHITECTURE. **2005**, 38, 235-240 | 1 |
| 1070 | ROBUST D-STABILITY ANALYSIS OF UNCERTAIN POLYNOMIAL MATRICES VIA POLYNOMIAL-TYPE MULTIPLIERS. **2005**, 38, 191-196 | 1 |
| 1069 | DYNAMIC OUTPUT FEEDBACK SYNTHESIS WITH GENERAL FREQUENCY DOMAIN SPECIFICATIONS. **2005**, 38, 345-350 | 14 |
| 1068 | ROBUST STABILITY ANALYSIS OF LINEAR SYSTEMS WITH AFFINE PARAMETER UNCERTAINTIES. **2005**, 38, 535-540 | |
| 1067 | DISCRETE TAKAGI-SUGENO FUZZY MODELS: REDUCED NUMBER OF STABILIZATION CONDITIONS. **2005**, 38, 413-418 | |
| 1066 | ON THE ROBUST STABILITY OF NEUTRAL SYSTEMS WITH TIME-VARYING DELAYS. **2005**, 38, 436-441 | |
| 1065 | CONDITIONS OF OUTPUT STABILIZATION FOR UNCERTAIN DISCRETE TS FUZZY MODELS. **2005**, 38, 443-448 | 2 |

| | | | |
|---|---|---|---|
| 1064 | Multivariable control systemsâ€•an engineering approach. **2005**, 41, 1665-1666 | | 3 |
| 1063 | A dilated LMI approach to robust performance analysis of linear time-invariant uncertain systems. **2005**, 41, 1933-1941 | | 67 |
| 1062 | New characterization of positive realness and control of a class of uncertain polytopic discrete-time systems. *Systems and Control Letters*, **2005**, 54, 417-427 | 2.4 | 18 |
| 1061 | A class of robust stability conditions where linear parameter dependence of the Lyapunov function is a necessary condition for arbitrary parameter dependence. *Systems and Control Letters*, **2005**, 54, 1131-1134 | 2.4 | 31 |
| 1060 | A new LMI condition for robust stability of discrete-time uncertain systems. *Systems and Control Letters*, **2005**, 54, 1195-1203 | 2.4 | 33 |
| 1059 | Parameter-dependent filter design with guaranteed Hâ performance. **2005**, 152, 531-537 | | 43 |
| 1058 | H2 gain scheduled state feedback for LPV system with new LMI formulation. **2005**, 152, 693-697 | | 64 |
| 1057 | H â model reduction for uncertain two-dimensional discrete systems. **2005**, 26, 199-227 | | 38 |
| 1056 | Global robust stability for delayed neural networks with polytopic type uncertainties. **2005**, 26, 1349-1354 | | 67 |
| 1055 | Robust H-infinity estimation for continuous-time polytopic uncertain systems. **2005**, 3, 393-398 | | 3 |
| 1054 | New approach to stochastic stability and controller design for networked control systems. **2005**, 3, 241-246 | | 1 |
| 1053 | Stability and Stabilization of Uncertain 2-D Discrete Systems with Stochastic Perturbation. **2005**, 16, 85-106 | | 47 |
| 1052 | Multi-objective robust controller synthesis for discrete-time systems with convex polytopic uncertain domain. **2005**, 6, 87-93 | | 14 |
| 1051 | Improved H2 and H¥ conditions for robust analysis and control synthesis of linear systems. **2005**, 16, 427-434 | | 5 |
| 1050 | l/sub /spl infin// performance analysis of feedback systems with saturation nonlinearities: an approach based on polytopic representation. | | 2 |
| 1049 | Design of Stochastic Fault Tolerant Control for H2Performance. | | |
| 1048 | Robust analysis and synthesis of linear polytopic discrete-time periodic systems via LMIs. | | 16 |
| 1047 | Robust Performance Analysis of Linear Time-Invariant Uncertain Systems by Taking Higher-Order Time-Derivatives of the State. | | 33 |

1028 Robust filtering design of piecewise discrete time linear systems. **2005**, 53, 599-605    33

1027 Robust non-fragile state feedback control of discrete time-delay systems.    0

1026 Special decentralized control problems and effectiveness of parameter-dependent Lyapunov function method.    3

1025 Multirate robust digital control for fuzzy systems with periodic Lyapunov function. **2005**, 13, 436-443    14

1024 Robust stability conditions for polytopic systems. **2005**, 36, 961-973    24

1023 Pole location control design of an active suspension system with uncertain parameters. **2005**, 43, 561-579    13

1022 Low-order IIR filter bank design. **2005**, 52, 1673-1683    14

1021 . **2005**, 52, 380-383    47

1020 New Approach to Robust$ cal D$-Stability Analysis of Linear Time-Invariant Systems With Polytope-Bounded Uncertainty. **2006**, 51, 1709-1714    18

1019 Robust /spl Hscr//sub /spl infin// filtering for discrete-time linear systems with uncertain time-varying parameters. **2006**, 54, 2110-2118    86

1018 Probabilistic and Randomized Methods for Design under Uncertainty. **2006**,    31

1017 Existence of Homogeneous Polynomial Solutions for Parameter-Dependent Linear Matrix Inequalities with Parameters in the Simplex. **2006**,    37

1016 A simple design method of H/sub /spl infin// reduced-order filters for stochastic systems.

1015 Model Predictive Control for Linear Parameter Varying Systems Using Parameter Dependent Lyapunov Function. **2006**, 53, 1446-1450    52

1014 Dilated LMI Characterization and a New Stability Criterion for Polytopic Uncertain Systems. **2006**,

1013 Delay-Dependent Robust $H_{infty}$ Filtering for Uncertain Discrete-Time Systems With Time-Varying Delay Based on a Finite Sum Inequality. **2006**, 53, 1466-1470    67

1012 . **2006**, 51, 742-753    563

1011 Robust Hâfilter design for 2DFM model. **2006**,

12

| 992 | Stability Analysis of Discrete-time T-S Fuzzy ControlSystems with Uncertain Grades of Membership. **2006**, | | 0 |
|---|---|---|---|
| 991 | Delay Dependent Robust Hâ Stabilization of Uncertain Discrete Systems with Delays. **2006**, | | 1 |
| 990 | New results on delay-dependent robust . **2006**, 42, 343-348 | | 179 |
| 989 | Robust H2 and Hâ filtering for uncertain linear systems. **2006**, 42, 1919-1926 | | 227 |
| 988 | Robust energy-to-peak filter design for stochastic time-delay systems. *Systems and Control Letters*, **2006**, 55, 101-111 | 2.4 | 216 |
| 987 | Static H2 and Hâ output-feedback of discrete-time LTI systems with state multiplicative noise. *Systems and Control Letters*, **2006**, 55, 232-239 | 2.4 | 35 |
| 986 | Enhanced LMI representations for H2 performance of polytopic uncertain systems: Continuous-time case. **2006**, 3, 304-308 | | 6 |
| 985 | LMI conditions for quadratic and robust -stability of interval systems. **2006**, 4, 187-192 | | 1 |
| 984 | Sliding mode control of uncertain systems with distributed time-delay: parameter-dependent Lyapunov functional approach. **2006**, 4, 159-167 | | 2 |
| 983 | Delay-dependent robust Hâ and L2-Lâ filtering for LPV systems with both discrete and distributed delays. **2006**, 153, 483-492 | | 76 |
| 982 | Hâ control of switched linear discrete-time systems with polytopic uncertainties. **2006**, 27, 273-291 | | 41 |
| 981 | Robust Hâ filtering for switched linear discrete-time systems with polytopic uncertainties. **2006**, 20, 291-304 | | 122 |
| 980 | Delay-Dependent Robust Stabilizability for Uncertain Discrete Time-Delay Systems. **2006**, | | 2 |
| 979 | Robust Energy-to-Peak Estimation for Uncertain Continuous-Time Linear Systems. **2006**, | | |
| 978 | Less conservative ?-stability test for polytopic systems using linearly parameter-dependent Lyapunov functions. **2006**, 153, 665-670 | | 4 |
| 977 | Local stability of open- and closed-loop fuzzy systems. **2006**, | | 2 |
| 976 | A Necessary and Sufficient Condition for Robust Stability of LTI Discrete-Time Systems using Sum-of-Squares Matrix Polynomials. **2006**, | | 7 |
| 975 | Robust Output Feedback Control for Polytopic Linear Systems. **2006**, | | |

| | | |
|---|---|---|
| 974 | A New Extended LMIs Approach for Continuous-time Multiobjective Controllers Synthesis. **2006**, | |
| 973 | New Robust H/spl infin/ and L2-L/spl infin/ Filtering for LPV Systems with Both Discrete and Distributed Delays. **2006**, | |
| 972 | Stability and stabilization of switched linear discrete-time systems with polytopic uncertainties. **2006**, | |
| 971 | An Hâ Approach for Robust Calibration of Cascaded Sigma Delta Modulators. **2006**, | 2 |
| 970 | Robust Stability/Performance Analysis for Linear Time-Invariant Polytopically Parameter-Dependent Systems using Polynomially Parameter-Dependent Lyapunov Functions. **2006**, | 5 |
| 969 | Robust Stability/Performance Analysis for Linear Time-Invariant Polynomially Parameter-Dependent Systems using Polynomially Parameter-Dependent Lyapunov Functions. **2006**, | 14 |
| 968 | Parameter-dependent robust Hâ model reduction for discrete-time switched polytopic linear systems. **2006**, | |
| 967 | New Approach to Mixed H2/Hâ Filtering for Polytopic Continuous-time Systems. **2006**, | 0 |
| 966 | Robust Multi-Objective Control toolbox. **2006**, | 1 |
| 965 | Delay-dependent LMI Conditions for Stability and Stabilization of T-S Fuzzy Systems with Time-delay. **2006**, | |
| 964 | Robust Fault Isolation Filter Design for Networked Control Systems. **2006**, | 2 |
| 963 | SOME SPECIAL DECENTRALIZED CONTROL PROBLEMS IN CONTINUOUS-TIME INTERCONNECTED SYSTEMS. **2006**, 09, 277-286 | 4 |
| 962 | Reduced-order H/sub /spl infin// and H/sub 2/ design of multirate filter banks using PDLF method. | |
| 961 | Robust control of uncertain discrete-time Markovian jump systems with actuator saturation. **2006**, 79, 805-812 | 43 |
| 960 | LMI-Based Additive Gain for Guaranteed Cost Control of Robotic Manipulator with Deadzone. **2007**, | 1 |
| 959 | Simultaneous Stabilization and Robust Control for Polynomial Nonlinear Systems Using SOS. **2007**, | 3 |
| 958 | Reliable Decentralized Stabilization via Dilated LMIs and Unknown Disturbance Observers. **2007**, | 1 |
| 957 | Robust mixed H2/Hâ control of time-varying delay systems with extended LMI. **2007**, | |

| | | |
|---|---|---|
| 956 | Robust Output Feedback Controller Design via Parameter-dependent Lyapunov Functions. **2007**, | |
| 955 | Distributed Estimator Design for a Formation with Markovian Communication Topology. **2007**, | 3 |
| 954 | Constrained linear time-varying quadratic regulation with guaranteed optimality. **2007**, 38, 115-124 | 3 |
| 953 | Output feedback stochastic Hâ stabilization of networked fault-tolerant control systems. **2007**, 221, 927-935 | 2 |
| 952 | Design of a Distributed Decentralized Estimator for a Formation with Fixed Communication Topology. **2007**, | 3 |
| 951 | Relatively suboptimal control: A scenario approach to constrained control design. **2007**, | |
| 950 | Design of Observers with Commutation-Dependent Gains for Linear Switching Systems. **2007**, | 0 |
| 949 | A New Multiple Lyapunov Function Approach to Synthesis of Fuzzy Control Systems. **2007**, | 1 |
| 948 | "Poly-quadratic Stability in D-CPWL Approach for a Class of Nonlinear Systems". **2007**, | |
| 947 | Design of Multiple-Parameterisation PDC Controllers via Relaxed Conditions for Multi-Dimensional Fuzzy Summations. **2007**, | 6 |
| 946 | Stabilization Conditions for Continuous T-S Fuzzy Systems with Time-Delays. **2007**, | |
| 945 | Robust wireless servo control using a discrete-time uncertain Markovian jump linear model. **2007**, | 0 |
| 944 | A Scheduling Algorithm for Constrained Control Systems: An Approach Based on a Parameter Dependent Lyapunov Function. **2007**, | 2 |
| 943 | . **2007**, | |
| 942 | Robust Parameter-Dependent Constrained Model Predictive Control. **2007**, | 0 |
| 941 | Exploiting Sparsity in the Matrix-Dilation Approach to Robust Semidefinite Programming. **2007**, | 4 |
| 940 | A Constructive Approach to Approximate Linear Periodic Systems. **2007**, 52, 541-546 | 3 |
| 939 | Static Output Feedback Control Synthesis for Linear Systems With Time-Invariant Parametric Uncertainties. **2007**, 52, 1930-1936 | 100 |

| | | |
|---|---|---|
| 938 | ROBUST H2 FILTERING FOR CONTINUOUS-TIME STOCHASTIC SYSTEMS WITH UNCERTAINTIES. **2007**, 40, 35-40 | 1 |
| 937 | DECENTRALIZED PID CONTROLLER DESIGN FOR UNCERTAIN LINEAR SYSTEM. **2007**, 40, 137-142 | |
| 936 | GUARANTEED COST CONTROL FOR UNCERTAIN DISCRETE DELAY T-S FUZZY SYSTEM. **2007**, 40, 85-90 | |
| 935 | ROBUST FAULT ISOLATION FILTER FOR NETWORKED CONTROL SYSTEMS: MIMO CASE WITH MULTIPLE FAULTS. **2007**, 40, 154-159 | |
| 934 | A NEW DILATED LMI CHARACTERIZATION AND ITERATIVE CONTROL SYSTEM SYNTHESIS. **2007**, 40, 250-255 | 9 |
| 933 | Gain-Scheduled H-infinity Filtering for LPV Discrete-Time Systems with Time-Varying Delay. **2007**, | 1 |
| 932 | . **2007**, 1, 678-685 | |
| 931 | Robust constrained predictive control using a sector bounded nonlinear model. **2007**, 1, 999-1007 | 8 |
| 930 | Output feedback model predictive control for nonlinear systems represented by HammersteinâWiener model. **2007**, 1, 1302-1310 | 24 |
| 929 | H2 and Hârobust output feedback control for continuous time polytopic systems. **2007**, 1, 1541-1549 | 56 |
| 928 | Sliding Mode Control of Uncertain Systems with Distributed Delay: Parameter-Dependent Lyapunov Functional Approach. **2007**, | |
| 927 | Reliable ${H}_{infty}$ Fuzzy Control for a Class of Discrete-Time Nonlinear Systems Using Multiple Fuzzy Lyapunov Functions. **2007**, 54, 357-361 | 33 |
| 926 | New Design of Robust Energy-to-Peak Filtering for Uncertain Continuous-time Systems. **2007**, | 1 |
| 925 | Parameter-dependent Lyapunov function approach to stability analysis for discrete-time LPV systems. **2007**, | 3 |
| 924 | Enhanced approach for static output stabilization for discrete time T -S systems. **2007**, | |
| 923 | Robust model predictive control for uncertain state delayed system using polytope dependent Lyapunov function. **2007**, | |
| 922 | A parameter-dependent Lyapunov function based design approach for gain-scheduled HâFilters of LPV systems. **2007**, | |
| 921 | Robust Hâcontrol of time-delay systems with polytopic uncertainty. **2007**, | |

| 920 | l2-l∞ output feedback control for a class of networked system with random delay. **2007**, | | 1 |
|---|---|---|---|
| 919 | New stabilizability conditions for discrete-time linear parameter varying systems. **2007**, | | 4 |
| 918 | Robust Dichotomy Analysis and Synthesis With Application to an Extended Chua's Circuit. **2007**, 54, 2078-2086 | | 5 |
| 917 | A High-Integrity Multivariable Robust Control With Application to a Process Control Rig. **2007**, 15, 775-785 | | 9 |
| 916 | Continuous Takagiâ€Sugeno's Models: Reduction of the Number of LMI Conditions in Various Fuzzy Control Design Technics. **2007**, 15, 426-438 | | 79 |
| 915 | Fixed-Order Robust $H_{infty}$ Controller Design With Regional Pole Assignment. **2007**, 52, 1959-1963 | | 65 |
| 914 | Estabilidade robusta de sistemas neutrais com atrasos variantes no tempo. **2007**, 18, 434-446 | | 1 |
| 913 | Condiações LMI do teorema do ganho pequeno escalonado para anãlise de estabilidade de sistemas incertos com atraso. **2007**, 18, 447-458 | | 1 |
| 912 | Special decentralized control problems in discrete-time interconnected systems composed of two subsystems. *Systems and Control Letters*, **2007**, 56, 206-214 | 2.4 | 26 |
| 911 | New strategy for robust stability analysis of discrete-time uncertain systems. *Systems and Control Letters*, **2007**, 56, 516-524 | 2.4 | 12 |
| 910 | Relaxed LMI conditions for closed-loop fuzzy systems with tensor-product structure. **2007**, 20, 1036-1046 | | 63 |
| 909 | Predictive LPV control of a liquidâ€gas separation process. **2007**, 38, 466-474 | | 3 |
| 908 | Design of robust output predictors under scarce measurements with time-varying delays. **2007**, 43, 281-289 | | 13 |
| 907 | Circle-criterion approach to discrete-time nonlinear observer design. **2007**, 43, 1432-1441 | | 56 |
| 906 | Analyzing and controlling the network synchronization regions. **2007**, 386, 531-542 | | 38 |
| 905 | Improved robust model predictive control with structured uncertainty. **2007**, 17, 683-688 | | 24 |
| 904 | Delay-dependent robust Hâ€filtering for uncertain 2-D state-delayed systems. **2007**, 87, 2659-2672 | | 41 |
| 903 | Design of stochastic fault tolerant control for H2 performance. **2007**, 17, 1-24 | | 17 |

| 902 | Feedback control synthesis of multiple frequency domain specifications via generalized KYP lemma. **2007**, 17, 415-434 | | 90 |
|---|---|---|---|
| 901 | H â and l2â filtering for two-dimensional linear parameter-varying systems. **2007**, 17, 1129-1154 | | 57 |
| 900 | Robust Analysis and Synthesis for the Nonexistence of Periodic Solutions in a Class of Nonlinear Systems. **2007**, 135, 205-216 | | 1 |
| 899 | An improved robust stability and robust stabilization method for linear discrete-time uncertain systems. **2007**, 5, 99-103 | | 2 |
| 898 | Robust H-infinity filtering for time-delay systems with missing measurements: a parameter-dependent approach. **2007**, 5, 336-344 | | 7 |
| 897 | Improved Robust H-Infinity Estimation for Uncertain Continuous-Time Systems. **2007**, 20, 362-369 | | 8 |
| 896 | Robust Constrained Model Predictive Control Based on Parameter-Dependent Lyapunov Functions. **2008**, 27, 429-446 | | 13 |
| 895 | Mixed H 2/H â filtering for a class of high-speed sampling uncertain systems. **2008**, 51, 560-570 | | 1 |
| 894 | Non-fragile Hâ Filtering for Discrete-time Systems with Finite Word Length Consideration. **2008**, 34, 886-892 | | 9 |
| 893 | Reliable Robust Hâ Tracking Control for a Class of Uncertain Lur e Singular Systems. **2008**, 34, 893-899 | | 10 |
| 892 | Robust . **2008**, 44, 1431-1436 | | 69 |
| 891 | Design of Hâ Filter for Markov jumping linear systems with non-accessible mode information. **2008**, 44, 2655-2660 | | 103 |
| 890 | Robust model predictive control for norm-bounded uncertain systems using new parameter dependent terminal weighting matrix. **2008**, 38, 199-208 | | 7 |
| 889 | Robust static output feedback control for linear discrete-time systems with time-varying uncertainties. *Systems and Control Letters*, **2008**, 57, 123-131 | 2.4 | 72 |
| 888 | A new design of robust filters for uncertain systems. *Systems and Control Letters*, **2008**, 57, 585-593 | 2.4 | 76 |
| 887 | Stability analysis and decentralized control of a class of complex dynamical networks. **2008**, 44, 1028-1035 | | 125 |
| 886 | Robust H2 optimal filtering for continuous-time stochastic systems with polytopic parameter uncertainty. **2008**, 44, 2686-2690 | | 9 |
| 885 | Hâ model reduction for uncertain switched linear discrete-time systems. **2008**, 44, 2944-2949 | | 78 |

| 884 | LMI APPROACH TO ROBUST FILTERING FOR DISCRETE TIME-DELAY SYSTEMS WITH NONLINEAR DISTURBANCES. **2008**, 7, 81-90 | 12 |

| 883 | STABILITY ANALYSIS OF UNCERTAIN DISCRETE-TIME SYSTEMS WITH TIME-VARYING STATE DELAY: A PARAMETER-DEPENDENT LYAPUNOV FUNCTION APPROACH. **2008**, 8, 433-440 | 9 |

| 882 | PARAMETER-DEPENDENT LYAPUNOV FUNCTION APPROACH TO STABILITY ANALYSIS AND DESIGN FOR POLYTOPIC SYSTEMS WITH INPUT SATURATION. **2008**, 9, 1-10 | 10 |

| 881 | Hâ CONTROL FOR DELAYED DISCRETE FUZZY SYSTEMS. **2008**, 9, 208-214 | 1 |

| 880 | A Parameter-Dependent Approach to Robust $H_{infty}$ Filtering for Time-Delay Systems. **2008**, 53, 2420-2425 | 81 |

| 879 | Nonquadratic Stabilization Conditions for a Class of Uncertain Nonlinear Discrete Time TS Fuzzy Models: A New Approach. **2008**, 53, 606-611 | 259 |

| 878 | Robust Variance Constrained Filter Design for Systems with Non-Gaussian Noises. **2008**, | |

| 877 | Improved Reliable H2 Output Feedback Controller Design for F-16 Aircraft Against Faults. **2008**, | |

| 876 | Hâ analysis and controller synthesis via a descriptor system approach. **2008**, | 2 |

| 875 | Hâ filtering of 2-D FM LSS model with state delays. **2008**, | |

| 874 | Robust Control of Linear Continuous-Time Polytopic Systems and Application to an Electro-Hydraulic Servo System. **2008**, 401-409 | 5 |

| 873 | Robust Stability of Polytopic Systems via Affine Parameter-Dependent Lyapunov Functions. **2008**, 47, 2642-2662 | 6 |

| 872 | Modelling and control of networked systems via jump system approach. **2008**, 2, 535-541 | 24 |

| 871 | Multi-objective Hâ stability controller synthesis of LTI systems. **2008**, 2, 51-55 | 13 |

| 870 | Robust constrained model predictive control for linear time-varying systems with norm-bounded uncertainty. **2008**, | 1 |

| 869 | Approaches to Robust Filtering Design of Discrete Time Fuzzy Dynamic Systems. **2008**, 16, 331-340 | 40 |

| 868 | An approach for robust FDI in linear systems with polytopic type uncertainty. **2008**, | |

| 867 | Enhanced LMI Representations for L2 âLâ performance of polytopic uncertain systems: Continuous-time case. **2008**, | 1 |

| | | |
|---|---|---|
| 866 | Multiobjective controller synthesis for parameter dependent descriptor systems via dilated LMI characterizations. **2008**, | 3 |
| 865 | A New Fault Detection Scheme for Networked Control Systems Subject to Uncertain Time-Varying Delay. **2008**, 56, 5258-5268 | 91 |
| 864 | Periodically time-varying dynamical controller synthesis for polytopic-type uncertain discrete-time linear systems. **2008**, | 9 |
| 863 | Control of discrete linear repetitive processes with non-causal dynamics. **2008**, | |
| 862 | Periodic Observer design for non-linear model with periodic parameters via Takagi-Sugeno form. **2008**, | |
| 861 | Non-fragile Hâfilter design for discrete-time systems via LMI approach. **2008**, | |
| 860 | . **2008**, 55, 625-634 | 6 |
| 859 | Design of a fault-tolerant control scheme for Takagi-Sugeno fuzzy systems. **2008**, | 14 |
| 858 | Reliable static output control for a class of uncertain systems via high-order sampled-data hold controller. **2008**, | |
| 857 | . **2008**, | 1 |
| 856 | A Kalman-Yakubovich-Popov Lemma with affine dependence on the frequency. **2008**, | 3 |
| 855 | State-feedback control design for continuous-time piecewise linear systems: An LMI approach. **2008**, | 1 |
| 854 | Relaxed nonquadratic stabilization and Hâperformance conditions for discrete fuzzy system. **2008**, | |
| 853 | Hâfiltering for linear discrete-time systems with time-varying parameters via LPV filters. **2008**, | |
| 852 | Decentralized control in the discrete-time systems with interconnected delays. **2008**, | |
| 851 | Nonquadratic Lyapunov function based Hâcontrol law design for time-delay fuzzy systems. **2008**, | |
| 850 | Gain-scheduled Hâcontrol of discrete-time polytopic time-varying systems. **2008**, | 5 |
| 849 | Robust analysis with respect to real parameter uncertainty. **2008**, | 2 |

848    Model reduction of linear systems using extended balanced truncation. **2008,**    5

847    Nonquadratic Lyapunov function based control law design for discrete fuzzy systems with state and input delays. **2008,**

846    Multi-objective H2/L2 performance controller synthesis for LPV systems. **2008,**

845    Fault tolerant Hâ control for a class of nonlinear discrete-time systems: Using sum of squares optimization. **2008,**    2

844    Mixed H2/H&#x221E; filtering for polytopic discrete-time systems with parameter dependent lyapunov functions. **2008,**

843    Mixed H2/H&#x221E; control for networked control system with missing data. **2008,**

842    LMI conditions for Hâ static output feedback control of discrete-time systems. **2008,**

841    Robust stability analysis and control design for time-varying discrete-time polytopic systems with bounded parameter variation. **2008,**    11

840    Stabilization of networked control systems with communication constraints. **2008,**

839    A New Parameter-dependent Approach to Discrete-time Robust H2 Filtering. **2008,** 41, 1402-1407    2

838    Mixed H2/Hâ Control of Discrete-Time Markovian Jump Systems via Static Output-Feedback Controllers. **2008,** 41, 5909-5914    1

837    A fault-tolerant control strategy for Takagi-Sugeno fuzzy systems. **2008,** 41, 7387-7392    3

836    H2/Hâ Multiobjectives for Fault Detection in Uncertain Polytopic Systems. **2008,** 41, 10015-10020

835    Two Improved Approaches to Fault Detection with Unknown Inputs. **2008,** 41, 10136-10141

834    New Approaches to Hâ Controller Designs for Discrete T-S Fuzzy System. **2008,** 41, 13194-13199

833    LMI-based Periodically Time-Varying Dynamical Controller Synthesis for Discrete-Time Uncertain Linear Systems. **2008,** 41, 1354-1359    5

832    Design of Sensor Fault Diagnosis Method for Nonlinear Systems described by Linear Polynomial Matrices Formulation: Application to a Winding Machine. **2008,** 41, 1890-1895

831    Delay-Dependent Robust Control of Time-Delay Systems with Polytopic Uncertainty. **2008,** 41, 4893-4898

830  Stability Analysis of Discrete LPV Systems Subject to Rate-Bounded Parameters. **2008**, 41, 6383-6388       1

829  Model Reduction for Switched Linear Discrete-Time Systems with polytopic uncertainties and arbitrary switching. **2008**, 41, 7666-7671       1

828  New LMI Characterizations for Discrete-Time Descriptor Systems and Application to Multiobjetive Control System Synthesis. **2008**, 41, 8821-8827       1

827  An improved off-line approach for output feedback robust model predictive control. **2008**, 41, 10886-10891

826  Síntese convexa para sistemas incertos discretos no tempo com atrasos variantes. **2008**, 19, 242-255       3

825  Output feedback fault-tolerant control for continuous-time LTI systems via high-order hold sampled-data controllers. **2009**,

824  Positive realness of a class of uncertain linear discrete-time systems with constant state delay. **2009**,

823  Output tracking control for discrete-time networked control systems. **2009**,       8

822  Output feedback stabilisation of networked control systems via switched system approach. **2009**, 82, 1665-1677       26

821  Reliable decentralised stabilisation of multi-channel systems: a design method via dilated LMIs and unknown disturbance observers. **2009**, 82, 2040-2050       11

820  Further results on periodically time-varying memory state-feedback controller synthesis for discrete-time linear systems. **2009**,       5

819  LMI characterizations of positive realness and static output feedback positive real control of discrete-time systems. **2009**,       0

818  Robust H2 performance and design of discrete-time polytopic systems with LFT uncertainty. **2009**,

817  Delay-dependent robust Hâcontrol for time-delay systems with polytopic uncertainty. **2009**,       1

816  An LMI approach for output feedback Robust Predictive Control using Orthonormal Basis Functions. **2009**,       2

815  A new method for robust Hâfiltering of uncertain discrete-time systems. **2009**,

814  Delay-dependent Hâfiltering of discrete-time systems with time-invariant delay. **2009**,

813  Output feedback stabilization of network controlled systems. **2009**,

| 812 | LMI conditions for robust stability of discrete-time uncertain singular systems. **2009**, | 2 |
|---|---|---|
| 811 | Robust Hâ optimal signal predictive quantization. **2009**, | |
| 810 | Robust D stabilization of singular systems with polytopic uncertainties. **2009**, | 2 |
| 809 | Stabilization of networked control systems with communication constraints and packet dropouts. **2009**, | 6 |
| 808 | Parameter-dependent robust Hâ filtering for singular systems. **2009**, | |
| 807 | Robust Hâ/D-stability control of systems with polytopic uncertainty. **2009**, | |
| 806 | Robust Hâ filtering for a class of multiple time delays discrete-time systems with nonlinear inequalities constraints. **2009**, | |
| 805 | Parameter-dependent Lyapunov function approach to robust stability analysis for discrete-time descriptor polytopic systems. **2009**, | 1 |
| 804 | Robust stability of polytopic systems via affine parameter-dependent Lyapunov functions. **2009**, | 1 |
| 803 | H8 filtering of Discrete-time Systems with Time-invariant Delay: Delay-independent Case. **2009**, | |
| 802 | Robust fault diagnosis of networked control systems. **2009**, 23, 722-736 | 31 |
| 801 | Robust synchronization of different coupled oscillators: Application to antenna arrays. **2009**, 346, 413-430 | 14 |
| 800 | Strong practical stability and stabilization of discrete linear repetitive processes. **2009**, 20, 311-331 | 13 |
| 799 | Optimal guaranteed cost control for an uncertain discrete T-S fuzzy system with time-delay. **2009**, 7, 144-150 | |
| 798 | Stability analysis and stabilization of networked linear systems with random packet losses. **2009**, 52, 2053-2073 | 1 |
| 797 | Robust H â static output feedback control of discrete-time switched polytopic linear systems with average dwell-time. **2009**, 52, 2019-2031 | 9 |
| 796 | Enhanced H â filtering for continuous-time state-delayed systems. **2009**, 6, 159-163 | 7 |
| 795 | Improved parameter-dependent H â filtering for polytopic Delta operator systems. **2009**, 6, 171-176 | 1 |

| 776 | Robust stability, H2 analysis and stabilisation of discrete-time Markov jump linear systems with uncertain probability matrix. **2009**, 82, 470-481 | 34 |

| 775 | A dilated LMI approach to robust Hâ static state feedback controller synthesis. **2009**, | |

| 774 | Delay-dependent filtering for discrete-time systems with finite frequency small gain specifications. **2009**, | 5 |

| 773 | Robust model-following controller design for LTI systems affected by parametric uncertainties: a design example for aircraft motion. **2009**, 82, 689-704 | 14 |

| 772 | Relaxation analysis via line integral. **2009**, | 4 |

| 771 | Sufficient LMI conditions for the design of static and reduced order controllers. **2009**, | 9 |

| 770 | New characterisations of positive realness and static output feedback control of discrete-time systems. **2009**, 82, 1485-1495 | 16 |

| 769 | Robust decentralized PID controller design: A case study. **2009**, | 3 |

| 768 | Robust model predictive control of a twin rotor MIMO system. **2009**, | 7 |

| 767 | LMI relaxations for nonquadratic stabilization of discrete-time Takagi-Sugeno systems based on polynomial fuzzy Lyapunov functions. **2009**, | 3 |

| 766 | Robust control analysis and synthesis for LPV systems under affine uncertainty structure. **2009**, | 7 |

| 765 | Actuator outage fault detection for linear uncertain servo systems with nonzero bounded reference input. **2009**, | |

| 764 | Exponential Hâ static output feedback control of switched systems with average dwell-time and time-varying uncertainties. **2009**, | 1 |

| 763 | Robust control of tonal reproduction curves for the xerographic system. **2009**, | |

| 762 | Robust Wireless Servo Control Using a Discrete-Time Uncertain Markovian Jump Linear Model. **2009**, 17, 733-742 | 19 |

| 761 | Dynamic Output Feedback Control of Discrete-Time Markov Jump Linear Systems through Linear Matrix Inequalities. **2009**, 48, 573-593 | 69 |

| 760 | New robust stability and stabilization conditions for linear repetitive processes. **2009**, | 2 |

| 759 | Robust PID controller design using BMI. **2009**, | 1 |

| 740 | Robust fault-tolerant controller design for linear time-invariant systems with actuator failures: an indirect adaptive method. **2010**, 8, 471-478 | | 28 |
|---|---|---|---|
| 739 | Robust D stabilization of singular systems with polytopic uncertainties. **2010**, 8, 540-544 | | 2 |
| 738 | Delay-dependent robust Hâcontrol of time-delay systems. **2010**, 4, 1122-1130 | | 12 |
| 737 | Static output-feedback stabilization of discrete-time Markovian jump linear systems: A system augmentation approach. **2010**, 46, 687-694 | | 104 |
| 736 | Asynchronously switched control of switched linear systems with average dwell time. **2010**, 46, 953-958 | | 560 |
| 735 | Controller synthesis for networked control systems. **2010**, 46, 1584-1594 | | 216 |
| 734 | Stability and . **2010**, 46, 1806-1811 | | 0 |
| 733 | Improved robust energy-to-peak filtering for uncertain linear systems. **2010**, 90, 2667-2675 | | 90 |
| 732 | Strong practical stability and stabilization of differential linear repetitive processes. *Systems and Control Letters*, **2010**, 59, 639-644 | 2.4 | 2 |
| 731 | Delay-dependent robust . **2010**, 46, 591-597 | | 70 |
| 730 | Dilated LMI conditions for the robust analysis of uncertain parameter-dependent descriptor systems. **2010**, | | 4 |
| 729 | . **2010**, | | 14 |
| 728 | Robust H2 control of uncertain discrete-time linear systems with periodically time-varying memory state-feedback. **2010**, | | 1 |
| 727 | Extended LMI characterizations and multiobjective synthesis for discrete descriptor systems. **2010**, | | |
| 726 | Non-fragile strictly dissipative filter for discrete-time nonlinear systems with sector-bounded nonlinearities. **2010**, | | 2 |
| 725 | A survey on stability research of discrete-time Takagi-Sugeno fuzzy control systems. **2010**, | | 1 |
| 724 | Dynamic output feedback Hâcontrol for networked control systems with random consecutive packet dropouts. **2010**, | | |
| 723 | Switched differential linear repetitive processes. **2010**, | | |

| 704 | Local fuzzy modeling: Maximising the basin of attraction. **2010**, | 5 |
| 703 | Robust Hâfiltering for uncertain discrete-time systerms with time-varying delay. **2010**, | |
| 702 | Dilated LMI characterisations for linear time-invariant singular systems. **2010**, 83, 2276-2284 | 13 |
| 701 | Fuzzy Stabilization of Nonlinear Systems under Sampled-Data Feedback: An Exact Discrete-Time Model Approach. **2010**, | 17 |
| 700 | Feedback minâmax model predictive control using robust one-step sets. **2010**, 41, 813-823 | 10 |
| 699 | New dilated LMI conditions for the single channeled multiobjective static state feedback controller synthesis in cotinuous-time systemes. **2011**, | |
| 698 | Generalized H2 filter design for T-S fuzzy systems with quantization and packet loss. **2011**, | 4 |
| 697 | Dilated LMI conditions for time-varying polytopic descriptor systems: the discrete-time case. **2011**, 84, 1010-1023 | 10 |
| 696 | Observer-based controller synthesis for LPV descriptor systems using dilated LMI conditions. **2011**, | 4 |
| 695 | Guaranteed cost control for networked control systems with stochastic protocols. **2011**, | |
| 694 | MPC for LPV systems with bounded parameter variations. **2011**, 84, 24-36 | 29 |
| 693 | Performance analysis and design of dynamic output feedback control for switched systems. **2011**, 84, 253-260 | 9 |
| 692 | Delay-interval-dependent robust-stability criteria for neutral stochastic neural networks with polytopic and linear fractional uncerainties. **2011**, 88, 2001-2015 | 16 |
| 691 | Robust Hâcontrol of the Discrete-time Uncertain Systems with Time-Delay based on LMI. **2011**, | |
| 690 | $H_{infty }$ Filtering For Nonlinear Discrete-Time Systems Subject to Quantization and Packet Dropouts. **2011**, 19, 353-365 | 86 |
| 689 | Robust state feedback LMI methods for continuous-time linear systems: Discussions, extensions and numerical comparisons. **2011**, | 51 |
| 688 | Dynamic output feedback H âcontrol for networked control systems with quantisation and random communication delays. **2011**, 42, 1723-1734 | 11 |
| 687 | H-infinite output tracking control for neutral systems with time-varying delay and nonlinear perturbations: An LMI approach. **2011**, | 1 |

| 686 | . **2011**, | | 7 |
|---|---|---|---|
| 685 | Air-fuel ratio control in a gasoline engine. **2011**, 42, 277-286 | | 28 |
| 684 | Robust fault detection filter design for uncertain switched systems with adaptive threshold setting. **2011**, | | 13 |
| 683 | Reset control systems: stabilization by nearly-periodic reset. **2011**, 44, 2395-2400 | | 2 |
| 682 | Reconfigurable Control Systems: A Nonhomogeneous Markovian Jump System Approach. **2011**, 44, 5425-5429 | | |
| 681 | Discrete-Time LPV Controller Synthesis Using Dilated LMIs with Application to an Arm-Driven Inverted Pendulum. **2011**, 44, 7708-7712 | | 1 |
| 680 | Robust Structured Control Design via LMI Optimization. **2011**, 44, 7933-7938 | | 8 |
| 679 | Fixed-Order H∞ Controller Design for Systems with Polytopic Uncertainty. **2011**, 44, 10162-10167 | | 1 |
| 678 | Application of a multiplier method to uncertain Lurâ□-like systems. *Systems and Control Letters*, **2011**, 60, 854-862 | 2.4 | 9 |
| 677 | Robust static output feedback controller LMI based design via elimination. **2011**, 348, 2468-2479 | | 10 |
| 676 | Separation principle for networked control systems with multiple-packet transmission. **2011**, 5, 507-513 | | 15 |
| 675 | Selective $\hbox{\scr H}_2$ and $\hbox{\scr H}_\infty$ Stabilization of Takagiâ□ugeno Fuzzy Systems. **2011**, 19, 890-900 | | 60 |
| 674 | Fuzzy robust constrained model predictive control for nonlinear systems. **2011**, 13, 947-955 | | 22 |
| 673 | Robust H∞ control of norm bounded uncertain systems via Markovian approach. **2011**, 13, 956-965 | | 5 |
| 672 | Gain Scheduled State Feedback Control for Discrete-Time-Varying Polytopic Systems Subject to Input Saturation. **2011**, 30, 1165-1182 | | 5 |
| 671 | H∞ controller design for linear systems with time-invariant uncertainties. **2011**, 9, 391-395 | | 7 |
| 670 | New reduced-order H ∞ filter design method for discrete-time singular systems with lossy measurements by strict LMI approach. **2011**, 9, 1095-1102 | | 4 |
| 669 | Robust H-infinity control for uncertain discrete-time Markovian jump systems with actuator saturation. **2011**, 9, 465-471 | | 7 |

| | | | |
|---|---|---|---|
| 668 | Further results on Hâ Filtering for discrete-time systems with state delay. **2011**, 21, 248-270 | | 24 |
| 667 | An improved approach to robust stability analysis and controller synthesis for LPV systems. **2011**, 21, 1574-1586 | | 23 |
| 666 | Delay-dependent filtering for discrete-time state-delayed systems with small gain conditions in finite frequency ranges. **2011**, 25, 983-1005 | | 6 |
| 665 | Robust H 2 static output feedback design starting from a parameter-dependent state feedback controller for time-invariant discrete-time polytopic systems. **2011**, 32, 1-13 | | 20 |
| 664 | A μ-dependent approach to Hâ control of uncertain switched linear systems with average dwell time. **2011**, 32, 15-27 | | 15 |
| 663 | Approaches to extended non-quadratic stability and stabilization conditions for discrete-time Takagiâ Sugeno fuzzy systems. **2011**, 47, 534-538 | | 63 |
| 662 | Periodically time-varying memory state-feedback controller synthesis for discrete-time linear systems. **2011**, 47, 14-25 | | 43 |
| 661 | Parameter-dependent Lyapunov function approach to robust L2â â Filter design for uncertain time-delay systems. **2011**, 91, 323-329 | | 5 |
| 660 | Stochastic stabilization of a class of nonhomogeneous Markovian jump linear systems. *Systems and Control Letters*, **2011**, 60, 156-160 | 2.4 | 102 |
| 659 | Robust analysis and control of parameter-dependent uncertain descriptor systems. *Systems and Control Letters*, **2011**, 60, 356-364 | 2.4 | 17 |
| 658 | Robust/reliable stabilization of multi-channel systems via dilated LMIs and dissipativity-based certifications. **2011**, | | 2 |
| 657 | Improved conditions for reduced-order ?â Filter design as a static output feedback problem. **2011**, | | 2 |
| 656 | Periodic FIR controller synthesis for discrete-time uncertain linear systems. **2011**, | | 9 |
| 655 | On synchronized regions of discrete-time complex dynamical networks. **2011**, 44, 205101 | | 6 |
| 654 | . **2011**, | | 2 |
| 653 | The design of guaranteed cost controller of discrete-time uncertain multiple time-delay systems. **2011**, | | |
| 652 | Less Conservative Fuzzy Control for Discrete-Time Takagi-Sugeno Systems. **2011**, 2011, 1-21 | | 10 |
| 651 | An interpolation approach for robust constrained output feedback. **2011**, | | 5 |

| | | |
|---|---|---|
| 650 | Guaranteed Cost Control of Discrete Time-Delay Systems with Uncertain Parameters. **2011**, | 1 |
| 649 | Set-membership filtering for polytopic uncertain discrete-time systems. **2011**, 40, 741-754 | 0 |
| 648 | Optimized distributed control and network topology design for interconnected systems. **2011**, | 10 |
| 647 | Digital controller design for fuzzy systems with packet loss: Intelligent digital redesign approach. **2011**, | 4 |
| 646 | Robust Stability Analysis for the New Type Rural Social Endowment Insurance System with Minor Fluctuations in China. **2012**, 2012, 1-9 | |
| 645 | On Exponential Stability Conditions of Descriptor Systems with Time-Varying Delay. **2012**, 2012, 1-12 | 3 |
| 644 | Experimentally verified Iterative Learning Control based on repetitive process stability theory. **2012**, | 1 |
| 643 | The Unbiased Filtering for Uncertainty Systems. **2012**, | |
| 642 | Low-sensitivity H filter design for linear delta operator systems with sampling time jitter. **2012**, 85, 397-408 | 7 |
| 641 | Static output feedback control of networked control systems with packet dropout. **2012**, 43, 665-672 | 14 |
| 640 | Disturbance attenuation for a class of uncertain polynomial discrete-time systems: An integrator approach. **2012**, | 3 |
| 639 | Stability analysis of nonlinear Roesser-type two-dimensional systems via a homogenous polynomial technique. **2012**, 21, 120503 | 1 |
| 638 | Robust H control for uncertain systems with heterogeneous time-varying delays via static output feedback. **2012**, 21, 110206 | 2 |
| 637 | Path-following H2/H design of dynamic output-feedback controllers via LMI's. **2012**, | 1 |
| 636 | Adaptive control design of uncertain piecewise-linear systems. **2012**, | 1 |
| 635 | Stability analysis for a special class of dynamical networks. **2012**, 43, 1950-1957 | 3 |
| 634 | Sufficient Dilated LMI Conditions for Static Output Feedback Robust Stabilization of Linear Continuous-Time Systems. **2012**, 2012, 1-13 | 6 |
| 633 | Simultaneous Fault Detection and Control Design for Switched Linear Systems: A Linear Matrix Inequality Approach. **2012**, 134, | 24 |

| 632 | Fault-Tolerant Control of Convex Polytopic Linear Parameter Varying Systems Using Virtual-Sensor-Based Reconfiguration. **2012**, 45, 240-246 | |
|---|---|---|
| 631 | Probabilistic Robust Approach for Discrete Multi-objective Control of Track-Following Servo Systems in Hard Disk Drives. **2012**, 45, 653-658 | 1 |
| 630 | Robust Stability of Periodic Systems with Memory: New Formulations, Analysis and Design Results. **2012**, 45, 684-689 | 1 |
| 629 | Nonlinear State Feedback Control for A Class of Polynomial Discrete-time Systems with Norm-Bounded Uncertainties: An Integrator Approach. **2012**, 45, 319-324 | |
| 628 | Power Quality Control of Hybrid Wind Power Systems Using Robust Tracking Controller. **2012**, 45, 729-734 | |
| 627 | Gain-Scheduled Observers Using Inexact Scheduling Parameters. **2012**, 45, 369-374 | 3 |
| 626 | Robust Hâ model predictive control for discrete-time switched linear systems. **2012**, 45, 424-429 | |
| 625 | Robust set-membership filtering for systems with missing measurement: a linear matrix inequality approach. **2012**, 6, 341 | 23 |
| 624 | Advances in Discrete Time Systems. **2012**, | |
| 623 | Hâ control of discrete-time linear systems constrained in state by equality constraints. **2012**, 22, 551-560 | 5 |
| 622 | Lyapunov Methods for Time-Invariant Delay Difference Inclusions. **2012**, 50, 110-132 | 24 |
| 621 | Robust state feedback admissibilisation of discrete linear polytopic descriptor systems: a strict linear matrix inequality approach. **2012**, 6, 1097-1108 | 12 |
| 620 | Multi-objective robust initial alignment algorithm for Inertial Navigation System with multiple disturbances. **2012**, 21, 1-6 | 28 |
| 619 | Control of discrete linear repetitive processes using strong practical stability and disturbance attenuation. *Systems and Control Letters*, **2012**, 61, 1138-1144 | 2.4   7 |
| 618 | Robust stabilization of networked control systems with multiple-packet transmission via jump system approach. **2012**, | |
| 617 | Robust Inversion Based Fault Estimation for Discrete-Time LPV Systems. **2012**, 57, 1581-1586 | 33 |
| 616 | A multiple local search strategy in memetic evolutionary computation for Multi-objective Robust Control Design. **2012**, | |
| 615 | Nonlinear robust state feedback control of uncertain polynomial discrete-time systems: An integral action approach. **2012**, | |

| | | |
|---|---|---|
| 614 | Robust stabilization of multiple coupled networked control system via jump linear system approach. **2012**, | |
| 613 | Receding Horizon Control Strategies for Constrained LPV Systems Based on a Class of Nonlinearly Parameterized Lyapunov Functions. **2012**, 57, 2354-2360 | 26 |
| 612 | Hâ Filtering for discrete-time genetic regulatory networks with random delays. **2012**, 239, 97-105 | 21 |
| 611 | Generalized fault detection for two-dimensional Markovian jump systems. **2012**, 48, 1741-1750 | 186 |
| 610 | Sampled-data observer-based output-feedback fuzzy stabilization of nonlinear systems: Exact discrete-time design approach. **2012**, 201, 20-39 | 54 |
| 609 | Parameterized model order reduction using extended balanced truncation. **2012**, | 1 |
| 608 | On parameter-dependent Lyapunov functions for robust fault detection filter design with application in power systems. **2012**, 349, 2389-2405 | 4 |
| 607 | Analysis and synthesis for networked control systems with uncertain rate of packet losses. **2012**, 349, 2500-2514 | 32 |
| 606 | Parameter-dependent mixed [Hamiltonian (script capital H)]2/[Hamiltonian (script capital H)]â filtering for linear parameter-varying systems. **2012**, 6, 697 | 15 |
| 605 | Fault tolerant H â control for a class of polynomial non-linear discrete-time systems. **2012**, 10, 849-854 | 1 |
| 604 | Robust sampled-data fuzzy control of nonlinear systems with parametric uncertainties: Its application to depth control of autonomous underwater vehicles. **2012**, 10, 1164-1172 | 27 |
| 603 | A novel distributed robust fault detection and isolation filter design for a network of nonhomogeneous multi-agent systems. **2012**, | 7 |
| 602 | On bounded real matrix inequality dilation. **2012**, 85, 1593-1601 | 2 |
| 601 | Discrete-Time Model Predictive Control. **2012**, | 6 |
| 600 | Further Results on Sufficient LMI Conditions for H&infin; Static Output Feedback Control of Discrete-Time Systems. **2012**, 5, 147-152 | 7 |
| 599 | On the stability of networked impulsive control systems. **2012**, 22, 1952-1968 | 4 |
| 598 | Multi-objective H2/L2 performance controller synthesis for LPV systems. **2012**, 14, 1273-1281 | 17 |
| 597 | Robust H 2 Filtering for Discrete-Time Markovian Jump Linear Systems. **2012**, 14, 1599-1607 | 4 |

| 596 | Cooperative control of discrete-time linear multi-agent systems with fixed information structure. **2012**, 10, 403-409 | 2 |

| 595 | Robust observer-based control for uncertain discrete-time piecewise affine systems. **2012**, 10, 236-243 | 8 |

| 594 | Development of a general robust H â singular filter design method for uncertain discrete descriptor systems with time delay. **2012**, 10, 20-26 | 5 |

| 593 | A kind of synergic control for a collection of vehicles. **2012**, 10, 459-469 | 2 |

| 592 | A fuzzy Lyapunov function approach to estimating the domain of attraction for continuous-time Takagiâ Sugeno fuzzy systems. **2012**, 185, 230-248 | 76 |

| 591 | Novel bounded real lemma for discrete-time descriptor systems: Application to . **2012**, 48, 449-453 | 73 |

| 590 | Lifted versions of robust D-stability and D-stabilisation conditions for uncertain polytopic linear systems. **2012**, 6, 24 | 14 |

| 589 | Delay-dependent control of linear systems with multiple time-varying state and input delays. **2012**, 13, 486-496 | 11 |

| 588 | Hâ filter design for nonlinear parameter-varying systems with quantized measurements. **2012**, 349, 1781-1807 | 5 |

| 587 | An Efficient Lyapunov Function for Discrete Tâ S Models: Observer Design. **2012**, 20, 187-192 | 99 |

| 586 | On ${\cal H}_{\infty }$ Filtering for Discrete-Time Takagiâ Sugeno Fuzzy Systems. **2012**, 20, 396-401 | 134 |

| 585 | H2 filter design for discrete-time Markov jump linear systems with partly unknown transition probabilities. **2012**, 33, 318-337 | 14 |

| 584 | Robust power control method for wireless sensor networks with static output feedback. **2012**, 10, 44-49 | 1 |

| 583 | Strong practical stability and stabilization of uncertain discrete linear repetitive processes. **2013**, 20, 220-233 | 5 |

| 582 | Periodically Time-Varying Memory State-Feedback for Robust H2 Control of Uncertain Discrete-Time Linear Systems. **2013**, 15, 409-419 | 7 |

| 581 | Robust PID-PSD Controller Design: BMI Approach. **2013**, 15, 469-478 | 29 |

| 580 | Simultaneous fault detection and control design for switched linear systems based on dynamic observer. **2013**, 34, 35-52 | 39 |

| 579 | Robust control with finite frequency specification for uncertain discrete linear repetitive processes. **2013**, 24, 727-745 | 12 |

| | | | |
|---|---|---|---|
| 578 | Robust Control and Linear Parameter Varying Approaches. **2013**, | | 79 |
| 577 | Nonlinear state feedback control for a class of polynomial nonlinear discrete-time systems with norm-bounded uncertainties: An integrator approach. **2013**, 350, 1739-1752 | | 12 |
| 576 | A Lyapunov functional approach to robust stability analysis of continuous-time uncertain linear systems in polytopic domains. **2013**, 11, 460-469 | | 15 |
| 575 | Periodic Memory State-Feedback Controller: New Formulation, Analysis, and Design Results. **2013**, 58, 1986-2000 | | 22 |
| 574 | Further Results on H â Filtering for a Class of Discrete-Time Singular Systems with Interval Time-Varying Delay. **2013**, 32, 1081-1095 | | 9 |
| 573 | On State Feedback Hâ Control for Discrete-Time Singular Systems. **2013**, 58, 2674-2679 | | 34 |
| 572 | Robust sliding-mode control for Markovian jump systems subject to intermittent observations and partially known transition probabilities. *Systems and Control Letters*, **2013**, 62, 1114-1124 | 2.4 | 82 |
| 571 | On pole placement LMI constraints in control design for linear discrete-time systems. **2013**, | | 1 |
| 570 | Constrained model predictive control synthesis for uncertain discrete-time Markovian jump linear systems. **2013**, 7, 707-719 | | 35 |
| 569 | Intelligent digital redesign for nonlinear systems using a guaranteed cost control method. **2013**, 11, 1075-1083 | | 22 |
| 568 | Robust state feedback control for discrete-time linear systems via LMIs with a scalar parameter. **2013**, | | 15 |
| 567 | Robust Hâ actuator fault diagnosis with neural network. **2013**, | | |
| 566 | Constrained discrete-time state-dependent Riccati equation technique: A model predictive control approach. **2013**, | | 7 |
| 565 | On Reliable Stabilization via Rectangular Dilated LMIs and Dissipativity-Based Certifications. **2013**, 58, 792-796 | | 9 |
| 564 | State estimation for switched systems described by differential Petri nets models. **2013**, | | |
| 563 | The control performance evaluation of the selected On-line robust MPC approaches. **2013**, | | |
| 562 | Robust stabilization of switched two-tank system model via state feedback PI controller. **2013**, | | |
| 561 | Fault-tolerant control of systems with convex polytopic linear parameter varying model uncertainty using virtual-sensor-based controller reconfiguration. **2013**, 37, 146-153 | | 19 |

| 560 | On modeling and state estimation for genetic regulatory networks with polytopic uncertainties. **2013**, 12, 13-20 | 22 |
| 559 | Finite-time Hâ control for discrete-time genetic regulatory networks with random delays and partly unknown transition probabilities. **2013**, 350, 1944-1961 | 24 |
| 558 | Stabilization of linear impulsive systems through a nearly-periodic reset. **2013**, 7, 4-15 | 53 |
| 557 | PolyRMPC: A new Matlab toolbox to robustify predictive controllers under unstructured and structured uncertainties. **2013**, | 1 |
| 556 | A robust semi-decentralized fault detection strategy for multi-agent systems. **2013**, 1, 21-35 | 13 |
| 555 | NetSimplex: Controller Fault Tolerance Architecture in Networked Control Systems. **2013**, 9, 346-356 | 28 |
| 554 | Digital redesign LMI conditions for state feedback controllers with an application for power electronics. **2013**, | 3 |
| 553 | Guaranteed â2 to âcontrol for discrete-time polytopic LPV systems. **2013**, | |
| 552 | Positive real control for descriptor systems with uncertainties in the derivative matrix via a proportional plus derivative feedback. **2013**, 44, 450-460 | 16 |
| 551 | Parameter-Dependent Hâ Filtering for Linear Time-Varying Systems. **2013**, 135, | 20 |
| 550 | A multi-objective antidisturbance robust filter for SINS/GPS navigation systems. **2013**, 6, 216-231 | 2 |
| 549 | Optimal Hâ Based Linear-Quadratic Regulator Tracking Control for Discrete-Time TakagiâSugeno Fuzzy Systems With Preview Actions. **2013**, 135, | 43 |
| 548 | Robust l2 âFiltering for discrete-time Markovian jump linear systems with multiple sensor faults, uncertain transition probabilities and time-varying delays. **2013**, 7, 710-719 | 7 |
| 547 | Dynamic Output Feedback Hâ Controller Design in Multiple-Packet Transmission with Limited Communication. **2013**, 397-400, 1958-1962 | |
| 546 | Robust Hâ Control of Time-Delay Systems. **2013**, 634-638, 3849-3852 | |
| 545 | LMI-Based Model Predictive Control for a Class of Constrained Uncertain Fuzzy Markov Jump Systems. **2013**, 2013, 1-13 | 5 |
| 544 | Positive Polynomial Matrices for LPV Controller Synthesis. **2013**, 87-96 | 2 |
| 543 | Stability analysis and control synthesis of uncertain Roesser-type discrete-time two-dimensional systems. **2013**, 22, 030206 | 5 |

542    Stability and Stabilization of Discrete Switched Systems Based on Parameter-Dependent Lyapunov Functions. **2013**, 365-366, 932-937

541    Robust and efficient predictive FTC: Application to wind turbines. **2013**,      5

540    Intelligent digital redesign for fuzzy systems with the fuzzy dynamic output-feedback controller. **2013**,

539    A gram-SOS approach for robust stability analysis of discrete-time systems with time-varying uncertainty. **2013**,      1

538    . **2013**,      17

537    A new procedure for discretization and state feedback control of uncertain linear systems. **2013**,      11

536    References. **2013**, 267-280

535    New Sufficient LMI Conditions for Static Output Stabilization. **2013**, 46, 184-189      2

534    Gain-scheduling Distributed MPC for Polytopic Uncertain Systems subject to Actuator Saturation. **2013**, 46, 444-449

533    Constrained decomposition based control approach for linear parameter varying systems. **2013**,      1

532    Design of distributed controllers and communication topologies considering link failures. **2013**,      3

531    Robust model predictive control: reflections and opportunities. **2014**, 1, 115-148      38

530    On the reliable decentralised stabilisation of n MIMO systems. **2014**, 87, 1565-1572      2

529    A robust fault-tolerant model predictive control for linear parameter-varying systems. **2014**,      5

528    Design of robust predictive fault-tolerant control for Takagi-Sugeno fuzzy systems: Application to the twin-rotor system. **2014**,      2

527    Improved RobustHâ Filtering Approach for Nonlinear Systems. **2014**, 2014, 1-9

526    Hâ Filtering for Discrete-Time Genetic Regulatory Networks with Random Delay Described by a Markovian Chain. **2014**, 2014, 1-12      5

525    Stabilization of networked control systems via controller and protocol co-design. **2014**,

| 524 | New methods for mode-independent robust control of Markov jump linear systems. **2014**, | 3 |
|---|---|---|
| 523 | Stability criteria for uncertain linear time-varying systems. **2014**, | 2 |
| 522 | Mode-dependent state estimation for discrete-time genetic regulatory networks with a random delay described by a Markovian chain. **2014**, | |
| 521 | Robust control for nonlinear uncertain systems using parameter dependent Lyapunov functions. **2014**, | |
| 520 | Convex optimization formulation of density upper bound constraints in Markov chain synthesis. **2014**, | 6 |
| 519 | Iterative learning control schemes for a class of nonlinear systems: Theory and real-time implementation. **2014**, | 2 |
| 518 | Corrigendum to âFault-tolerant control of systems with convex polytopic linear parameter varying model uncertainty using virtual-sensor-based controller reconfigurationâ[Annu. Rev. Control 37 (2013) 146â153]. **2014**, 38, 271 | |
| 517 | The LaSalle theorem for the stochastic difference equations. **2014**, | 1 |
| 516 | State feedback synthesis for robust stabilization of discrete-time linear systems characterized by stochastic polytopes. **2014**, | 4 |
| 515 | Comparison of several methods of HâFiltering design for discrete-time linear systems. **2014**, | |
| 514 | Neural-network based robust predictive fault-tolerant control for multi-tank system. **2014**, | 4 |
| 513 | A Parameter-Dependent Approach to Robust HâControl of Norm Bounded Uncertain Systems. **2014**, 701-702, 645-653 | 1 |
| 512 | Robust (mathcal {H}_{infty })-Based Approaches. **2014**, 143-188 | |
| 511 | Model following control for continuous-time discrete-valued input systems. **2014**, 19, 277-285 | 1 |
| 510 | Robust L2 âLâFilter design with Parameter dependent Lyapunov function approach for polytopic time-delay systems. **2014**, | 1 |
| 509 | Controller design problem of discrete uncertain ship autopilot servo stochastic system. **2014**, | 1 |
| 508 | Robust Output Feedback H-infinity Control and Filtering for Uncertain Linear Systems. **2014**, | 31 |
| 507 | Delay-dependent robust HâControl for neutral time-delay systems. **2014**, 24, | |

| | | |
|---|---|---|
| 488 | A new parameter-dependent Lyapunov function approach for robust control. **2014**, | |
| 487 | Robust Nonlinear H â state Feedback Control of Polynomial Discrete-Time Systems: An Integrator Approach. **2014**, 33, 331-346 | 6 |
| 486 | Aeroelastic stability analysis considering a continuous flight envelope. **2014**, 49, 716-727 | 4 |
| 485 | Nonmonotonic observer-based fuzzy controller designs for discrete time T-S fuzzy systems via LMI. **2014**, 44, 2557-67 | 45 |
| 484 | Stability robustness of perturbed structured systems. **2014**, 351, 1195-1204 | |
| 483 | Discretisation and control of polytopic systems with uncertain sampling rates and network-induced delays. **2014**, 1-14 | 1 |
| 482 | Hâ model predictive control for discrete-time switched linear systems with application to drinking water supply network. **2014**, 24, 924-938 | 23 |
| 481 | On Extended LMI Conditions for H 2 /H â Control of Discrete-Time Linear Systems. **2014**, 47, 9307-9312 | 1 |
| 480 | Density Control for Decentralized Autonomous Agents with Conflict Avoidance. **2014**, 47, 11715-11721 | 2 |
| 479 | State control of discrete-time linear systems to be bound in state variables by equality constraints. **2014**, 570, 022005 | 0 |
| 478 | Robust stability analysis of discrete-time systems with parametric and switching uncertainties. **2014**, 47, 724-729 | 2 |
| 477 | LMI results for robust control design of observer-based controllers, the discrete-time case with polytopic uncertainties. **2014**, 47, 6527-6532 | 7 |
| 476 | Robust Model Predictive Controller Design. **2014**, 47, 7443-7448 | 2 |
| 475 | Predictive and robust fault-tolerant control for Takagi-Sugeno systems. **2014**, 47, 6735-6740 | |
| 474 | Robust MPC for a non-linear system â a neural network approach. **2014**, 570, 032002 | 3 |
| 473 | Model reduction for two-dimensional systems with generalized Hâ approximation performance. **2014**, | |
| 472 | Stability conditions based on PQLFs. **2014**, 41-59 | |
| 471 | Gain-Scheduled State Feedback Controllers for Discrete-Time LPV systems Using Scheduling Parameters Affected by Absolute and Proportional Uncertainties. **2015**, 48, 31-36 | 6 |

| | | |
|---|---|---|
| 470 | Probabilistic density control for swarm of decentralized ON-OFF agents with safety constraints. **2015**, | 6 |
| 469 | Gain-scheduled output feedback controllers for discrete-time LPV systems using bounded inexact scheduling parameters. **2015**, | 14 |
| 468 | Robust stabilization and Hâ control by means of state-feedback for polytopic linear systems using LMIs and scalar searches. **2015**, | 4 |
| 467 | Minimal RPI sets computation for polytopic systems using the Bounded-real lemma and a new shrinking procedure. **2015**, 48, 182-187 | 11 |
| 466 | Stabilization of linear discrete-time networked control systems via protocol and controller co-design. **2015**, 25, 3072-3085 | 23 |
| 465 | Control theory based interface selection mechanism in Fixed-Mobile Converged network. **2015**, | |
| 464 | Robust state estimation and control for nonlinear system with uncertain parameters. **2015**, 659, 012025 | 1 |
| 463 | Linear matrix inequalities for analysis and control of linear vector second-order systems. **2015**, 25, 2939-2964 | 4 |
| 462 | Nonlinear Differential Equations and Feedback Control Design for the UrbanâRural Resident Pension Insurance in China. **2015**, 25, 1540029 | |
| 461 | A convex optimization approach to adaptive stabilization of discrete-time LTI systems with polytopic uncertainties. **2015**, 29, 1116-1134 | 2 |
| 460 | Markov Chain Approach to Probabilistic Guidance for Swarms of Autonomous Agents. **2015**, 17, 1105-1124 | 25 |
| 459 | Admissibility and static output-feedback stabilization of singular Markovian jump systems with defective statistics of modes transitions. **2015**, 25, 588-609 | 9 |
| 458 | Hâ Gain-Scheduled Control for LPV Stochastic Systems. **2015**, 2015, 1-14 | 1 |
| 457 | On robust stability and set invariance of switched linear parameter varying systems. **2015**, 88, 2588-2597 | 6 |
| 456 | State Estimation of Discrete-Time Takagi-Sugeno Fuzzy Systems in a Network Environment. **2015**, 45, 1525-36 | 106 |
| 455 | A Detector-Based Approach for the $H_{2}$ Control of Markov Jump Linear Systems With Partial Information. **2015**, 60, 1219-1234 | 122 |
| 454 | Robust H2 and Hâ filtering for discrete-time uncertain Linear fractional transform systems. **2015**, 9, 882-892 | 7 |
| 453 | Smooth switching in a scheduled robust model predictive controller. **2015**, 31, 55-63 | 9 |

| 452 | Robust H ☐filtering for singular time-delayed systems with uncertain Markovian switching probabilities. **2015**, 25, 376-393 | 43 |
| 451 | Robust stability analysis based on quadratic Lyapunov functions applied to power electronics. **2015**, | 0 |
| 450 | Discrete-time state feedback control design for linear systems. **2015**, | 0 |
| 449 | Robust stabilization of linear continuous-time parameter-varying systems without quadratic stability. **2015**, | 1 |
| 448 | Performance guarantees via pole placement for a webserver hosted on a private cloud. **2015**, | 2 |
| 447 | LMI based output PS control design for discrete-time linear MIMO systems. **2015**, | |
| 446 | Gain-scheduled state feedback synthesis for systems characterized by random polytopes. **2015**, | 1 |
| 445 | A new approach for the H☐control of Markov jump linear systems with partial information. **2015**, | 6 |
| 444 | Stabilizing uncertain nonlinear systems via the constrained discrete-time state-dependent Riccati equation controller. **2015**, | 1 |
| 443 | Robust MPC based on nominal system optimization and weighted control input saturation. **2015**, | 2 |
| 442 | Reduced-order dynamic quantizer synthesis for discrete-valued input systems. **2015**, | |
| 441 | Finite time boundedness and stability analysis of discrete time uncertain systems. **2015**, | 1 |
| 440 | Constrained interpolating control: The case of polyhedral invariant set for LPV discrete-time systems. **2015**, | |
| 439 | Reduced complexity control design for symmetric LPV systems. **2015**, | 4 |
| 438 | New extended LMI characterization for state feedback control of continuous-time uncertain linear systems. **2015**, | 3 |
| 437 | Robust fault estimation of nonlinear systems using SOS approach. **2015**, | |
| 436 | . **2015**, 60, 2813-2818 | 10 |
| 435 | Software for efficient LMI-based robust MPC design. **2015**, | 3 |

| | | | |
|---|---|---|---|
| 434 | Robust Static Output Feedback Control for Switched Systems with Input Constraints. **2015**, 48, 343-348 | | 0 |
| 433 | A longitudinal flight control law based on robust MPC and H 2 methods to accommodate sensor loss in the RECONFIGURE benchmark ? ?The research leading to these results has received funding from the European Union Seventh Framework Programme FP7/2007-2013 under grant agreement number 314 544, project âRECONFIGUREâ **2015**, 48, 1000-1005 | | 2 |
| 432 | Linear Matrix Inequalities Approach to Input Covariance Constraint Control With Application to Electronic Throttle. **2015**, 137, | | 3 |
| 431 | Improved mixed H2/Hârobust fault-tolerant control against sensor failures. **2015**, | | |
| 430 | Distributed Control and Estimation Scheme With Applications to Process Control. **2015**, 23, 1563-1570 | | 11 |
| 429 | New results on strong practical stability and stabilization of discrete linear repetitive processes. *Systems and Control Letters*, **2015**, 77, 22-29 | 2.4 | 16 |
| 428 | LMI-based robust sampled-data stabilization of polytopic LTI systems: A truncated power series expansion approach. **2015**, 13, 284-291 | | 7 |
| 427 | An asymptotically exact LMI solution to the robust discretisation of LTI systems with polytopic uncertainties and its application to sampled-data control. **2015**, 46, 2702-2714 | | |
| 426 | S-Variable Approach to LMI-Based Robust Control. **2015**, | | 48 |
| 425 | A note on stability analysis of 2-D linear discrete systems based on the FornasiniâMarchesini second model: Stability with asymmetric Lyapunov matrix. **2015**, 37, 109-112 | | 4 |
| 424 | Decentralised control for large-scale sampled-data systems: digital redesign approach. **2015**, 88, 2181-2193 | | 5 |
| 423 | A Note on Sampled-Data Stabilization of LTI Systems With Aperiodic Sampling. **2015**, 60, 2746-2751 | | 17 |
| 422 | New approach to . **2015**, 113, 147-158 | | 50 |
| 421 | A New Approach to Static Output Control of Uncertain Continuous Markov Jump Linear Systems. **2015**, 34, 2517-2535 | | 4 |
| 420 | Saturated robust power system stabilizers. **2015**, 73, 608-614 | | 19 |
| 419 | FIR-type robust H 2 and H âcontrol of discrete linear time-invariant polytopic systems via memory state-feedback control laws. **2015**, 13, 1047-1056 | | 8 |
| 418 | Robust D-stability via discrete controllers for continuous time uncertain systems using LMIs with a scalar parameter. **2015**, | | 1 |
| 417 | A Neural-Network-Based Robust Observer for Simultaneous Unknown Input Decoupling and Fault Estimation. **2015**, 535-548 | | 1 |

| 416 | Positive observer design for discrete-time positive system with missing data in output. **2015**, 168, 427-434 | | 17 |
|---|---|---|---|
| 415 | Less conservative global asymptotic stability of 2-D state-space digital filter described by Roesser model with polytopic-type uncertainty. **2015**, 115, 157-163 | | 9 |
| 414 | Nonlinear H â output feedback control with integrator for polynomial discrete-time systems. **2015**, 25, 1051-1065 | | 28 |
| 413 | Robust Fault Detection for Nonlinear Networked Systems with Multiple Fading Measurements. **2015**, 34, 2873-2891 | | 13 |
| 412 | Mode-mismatched estimator design for Markov jump genetic regulatory networks with random time delays. **2015**, 168, 1121-1131 | | 8 |
| 411 | H â digital redesign for LTI systems. **2015**, 13, 603-610 | | 6 |
| 410 | Zonotopes and Kalman observers: Gain optimality under distinct uncertainty paradigms and robust convergence. **2015**, 55, 265-273 | | 142 |
| 409 | . **2015**, 62, 382-386 | | 35 |
| 408 | Control design for discrete-time linear systems using enhanced LMI conditions. **2015**, | | 0 |
| 407 | Robust static output feedback Hâ control design for linear systems with polytopic uncertainties. *Systems and Control Letters*, **2015**, 85, 23-32 | 2.4 | 130 |
| 406 | Decentralized probabilistic density control of autonomous swarms with safety constraints. **2015**, 39, 537-554 | | 23 |
| 405 | An LMI-based controller design method for a discrete-time linear system with time-varying state delays. **2015**, dnv052 | | |
| 404 | Model adjustable predictive control with stability guarantees. **2015**, | | 13 |
| 403 | Robust Frequency-Domain Constrained Feedback Design via a Two-Stage Heuristic Approach. **2015**, 45, 2065-75 | | 23 |
| 402 | Gain-scheduled controller design for discrete-time Linear Parameter Varying systems with multiplicative noises. **2015**, 13, 1382-1390 | | 7 |
| 401 | A robust Hâ observer design for unknown input nonlinear systems: Application to fault diagnosis of a wind turbine. **2015**, | | |
| 400 | On decoupled or coupled control of bank-to-turn missiles. **2015**, 58, 1-13 | | 3 |
| 399 | Robust control of coupled two tank system via LMI. **2015**, | | 2 |

398    Almost output regulation of discrete-time switched linear systems. **2015,**    3

397    Finite-time Hâ Filtering of Markov jump systems with incomplete transition probabilities: a probability approach. **2015**, 9, 572-578    7

396    Robust reduced-order controller synthesis: a dilated LMI approach. **2015**, dnv055

395    Adaptive fault tolerant control: Application to a DC servo motor. **2015,**    1

394    Positive real control for discrete-time singular systems with affine parameter dependence. **2015,** 352, 882-896    4

393    Observer-based stabilisation of linear systems with parameter uncertainties by using enhanced LMI conditions. **2015**, 88, 1189-1200    20

392    Decentralized sampled-data . **2015**, 273, 68-86    35

391    Periodically time-varying memory static output feedback control design for discrete-time LTI systems. **2015**, 52, 47-54    15

390    A frequency-partitioning approach to stability analysis of two-dimensional discrete systems. **2015,** 26, 67-93    24

389    Model reduction of a class of discrete-time nonlinear systems. **2015**, 250, 78-93    5

388    Hâ control for discrete-time singular Markovian jump systems based on the novel bounded real lemma. **2015**, 46, 63-75    12

387    Discrete-time H â/â H â sensor fault detection observer design for nonlinear systems with parameter uncertainty. **2015**, 25, 339-361    105

386    Analysis and Design of Singular Markovian Jump Systems. **2015,**    30

385    Suboptimal distributed control and estimation: application to a four coupled tanks system. **2016,** 47, 1755-1771    11

384    Design of a Class of Sliding Mode Observer with Time-Varying Delay. **2016**, 18, 406-414    7

383    The robustness of the stabilizing regulator for quasi-linear discrete systems with state dependent coefficients. **2016,**    7

382    An LMI approach to robust fault estimation for a class of nonlinear systems. **2016**, 26, 1530-1548    58

381    A robust observer-based stabilization method for systems with uncertain parameters and Lipschitz nonlinearities. **2016**, 26, 1962-1979    25

| 380 | Relaxed fuzzy observer-based output feedback control synthesis of discrete-time nonlinear control systems. **2016**, 21, 593-601 | 6 |
| 379 | Predictive actuator fault-tolerant control under ellipsoidal bounding. **2016**, 30, 375-392 | 29 |
| 378 | Optimal design of networks of positive linear systems under stochastic uncertainty. **2016**, | 1 |
| 377 | Robust adaptive simultaneous state and fault estimation for nonlinear systems: Application to an aerodynamical system. **2016**, | |
| 376 | Robust control of plantwide chemical processes based on parameter dependent dissipativity. **2016**, | |
| 375 | Robust stability under asynchronous sensing and control. **2016**, | |
| 374 | A neural network-based simultaneous state and actuator fault estimation under unknown input decoupling. **2016**, | |
| 373 | Thrust balance estimation of an unmanned aerial vehicle: Application to fault detection. **2016**, | 2 |
| 372 | Improved adaptive Hinf controller synthesis of piecewise affine systems with application to flight control. **2016**, | |
| 371 | Observer-based control design via LMIs for a class of switched discrete-time linear systems with parameter uncertainties. **2016**, | 2 |
| 370 | On stochastic optimal control for linear systems with robust stability. **2016**, | 3 |
| 369 | . **2016**, | |
| 368 | Gain-scheduled preview control for aircraft gust alleviation. **2016**, | 4 |
| 367 | Towards Robust Fault-Tolerant Model Predictive Control with Constraints for Takagiâ€Sugeno Systems. **2016**, 309-333 | 1 |
| 366 | Robust unknown input observer for state and fault estimation in discrete-time Takagiâ€Sugeno systems. **2016**, 47, 3409-3424 | 39 |
| 365 | A control theoretic strategy for intelligent interface selection in heterogeneous network environments. **2016**, | 1 |
| 364 | FIR-type state-feedback control law for discrete-time LTI systems with polytopic uncertainties. **2016**, 14, 906-914 | 3 |
| 363 | Relaxed observer design of discrete-time nonlinear systems via a novel ranking-based switching mechanism. **2016**, 46, 162-169 | 5 |

| | | |
|---|---|---|
| 362 | A longitudinal flight control law to accommodate sensor loss in the RECONFIGURE benchmark. **2016**, 42, 212-223 | 7 |
| 361 | Exponential stabilization for networked cascade control system: A switched cascade system approach. **2016**, | 1 |
| 360 | Optimization-based constrained iterative learning control with application to building temperature control systems. **2016**, | 5 |
| 359 | Guaranteed cost estimation and control for nonlinear system using LMI optimization. **2016**, | |
| 358 | Stabilization of multi-agent systems and complex networks - a unified model using distributed control. **2016**, | |
| 357 | An approach to the polytopic representation of time-varying uncertain systems with reduced complexity and conservatism. **2016**, | 1 |
| 356 | From static output feedback to structured robust static output feedback: A survey. **2016**, 42, 11-26 | 106 |
| 355 | Assessing plant design with regard to MPC performance. **2016**, 94, 180-211 | 6 |
| 354 | Fault-tolerant control and diagnosis for LPV system with H-infinity virtual sensor. **2016**, | 3 |
| 353 | Pre-filtering in gain-scheduled and robust control. **2016**, | 7 |
| 352 | An iterative LMI based procedure for robust stabilization of continuous-time polytopic systems. **2016**, | 4 |
| 351 | Improved L2 â̈Lâ̈filter design for polytopic time-delay systems. **2016**, | 2 |
| 350 | Dynamic output feedback Hâ̈control for discrete-time polynomial-fuzzy-model-based systems using piecewise Lyapunov function. **2016**, | 0 |
| 349 | Local state-feedback stabilization of nonlinear fuzzy systems with measurement errors in the state. **2016**, | 1 |
| 348 | State-feedback and filtering problems using the generalized KYP lemma. **2016**, | 6 |
| 347 | Hâ̈model reduction of switched LPV systems via semi-time-varying reduced-order model. *Systems and Control Letters*, **2016**, 98, 25-32 | 2.4 | 7 |
| 346 | S-variable approach to robust stabilization state feedback synthesis for systems characterized by random polytopes. **2016**, | 1 |
| 345 | Event-triggered control for discrete-time linear systems subject to bounded disturbance. **2016**, 26, 1902-1918 | 46 |

| 344 | Output feedback robust model predictive control with unmeasurable model parameters and bounded disturbance. **2016**, 24, 1431-1441 | | 3 |
|---|---|---|---|
| 343 | Distributed Fusion Estimation for Sensor Networks with Communication Constraints. **2016**, | | 2 |
| 342 | Gain-scheduled filtering for linear parameter-varying systems using inexact scheduling parameters with bounded variation rates. **2016**, 26, 2864-2879 | | 8 |
| 341 | Robust stability analysis of discrete-time switched linear systems with stable and unstable subsystems via switching parameter-dependent Lyapunov functions. **2016**, | | 1 |
| 340 | Composite control of a class of nonlinear singularly perturbed discrete-time systems via D-SDRE. **2016**, 47, 2632-2641 | | 3 |
| 339 | Saturated robust control with regional pole placement and application to car active suspension. **2016**, 22, 258-269 | | 8 |
| 338 | Generalized (${\varvec{H}_{\infty }}$) model reduction for stable two-dimensional discrete systems. **2016**, 27, 359-382 | | 13 |
| 337 | Intelligent digital redesign of fuzzy controller for non-linear systems with packet losses. **2016**, 10, 292-299 | | 6 |
| 336 | Observer-Based Adaptive Consensus for Multi-agent Systems with Nonlinear Dynamics. **2016**, 275-283 | | 1 |
| 335 | Proceedings of the 2015 Chinese Intelligent Systems Conference. **2016**, | | 1 |
| 334 | Fuzzy observer-based output feedback control design of discrete-time nonlinear systems: An extended dimension approach. **2016**, 196, 167-174 | | 4 |
| 333 | New methods for mode-independent robust control of Markov jump linear systems. *Systems and Control Letters*, **2016**, 90, 38-44 | 2.4 | 18 |
| 332 | l âFuzzy filter design for nonlinear systems with missing measurements: Fuzzy basis-dependent Lyapunov function approach. **2016**, 14, 425-434 | | 5 |
| 331 | Local stability and local stabilization of discrete-time Tâ fuzzy systems with time-delay. **2016**, 14, 29-38 | | 17 |
| 330 | Neural network-based robust actuator fault diagnosis for a non-linear multi-tank system. **2016**, 61, 318-328 | | 43 |
| 329 | Stability analysis and stabilization of aperiodic sampled-data systems based on a switched system approach. **2016**, 353, 955-970 | | 16 |
| 328 | Hâand H2 filtering for linear systems with uncertain Markov transitions. **2016**, 67, 252-266 | | 79 |
| 327 | Optimal LPV control with hard constraints. **2016**, 14, 148-162 | | 8 |

| | | |
|---|---|---|
| 308 | A bounded-error approach to simultaneous state and actuator fault estimation for a class of nonlinear systems. **2017**, 52, 14-25 | 40 |
| 307 | Observer-based state estimation of discrete-time nonlinear systems via a novel maximum-priority-based fuzzy observer. **2017**, 137, 63-68 | 7 |
| 306 | A new discrete-time stabilizability condition for Linear Parameter-Varying systems. **2017**, 79, 214-217 | 20 |
| 305 | An improved digital redesign for sampled-data fuzzy control systems: Fuzzy Lyapunov function approach. **2017**, 406-407, 71-86 | 19 |
| 304 | Stabilization of systems with asynchronous sensors and controllers. **2017**, 81, 314-321 | 10 |
| 303 | Improved Adaptive Controller Synthesis of Piecewise-Affine Systems. **2017**, 19, 2232-2239 | 1 |
| 302 | Robust pole location with experimental validation for three-phase grid-connected converters. **2017**, 59, 16-26 | 16 |
| 301 | Stability of uncertain systems using Lyapunov functions with non-monotonic terms. **2017**, 82, 187-193 | 21 |
| 300 | Hâ⊡controller design for uncertain DC servo motor stochastic system with time-varying interval delay. **2017**, | 0 |
| 299 | Interval Observer-Based Fault Isolation for Discrete-Time Fuzzy Interconnected Systems With Unknown Interconnections. **2017**, 47, 2413-2424 | 47 |
| 298 | Hâ⊡Filtering for Markov jump linear systems with partial information on the jump parameter. **2017**, 1, 13-23 | 11 |
| 297 | Delay-Dependent Robust Control for Discrete-Time Uncertain Stochastic Systems With Time-Varying Delays. **2017**, 139, | 2 |
| 296 | Robust observed-state feedback design for discrete-time systems rational in the uncertainties. **2017**, 76, 96-102 | 10 |
| 295 | Observer-based continuous-time robust scaled-Hâ⊡controller design with simultaneous optimization of scaling matrices. **2017**, | |
| 294 | Quadratic and Poly-Quadratic Discrete-Time Stabilizability of Linear Parameter-Varying Systems. **2017**, 50, 8624-8629 | 4 |
| 293 | Organs on chip approach: a tool to evaluate cancer -immune cells interactions. **2017**, 7, 12737 | 54 |
| 292 | A predictive actuator fault-tolerant control strategy under input and state constraints. **2017**, | 3 |
| 291 | Static output feedback stabilization for uncertain discrete-time singular systems. **2017**, | |

| 290 | Robust ($H_{infty}$) Filters for Uncertain Systems with Finite Frequency Specifications. **2017**, 28, 693-706 | 9 |

| 289 | An uncertainty-based approach to discrete-time fault estimation observer design for nonuniformly sampled systems. **2017**, 15, 1651-1660 | 2 |

| 288 | Robust control for a discrete-time uncertain system novel LMI based approach. **2017**, | |

| 287 | Unknown input functional observers design for polytopic discrete time systems. **2017**, | |

| 286 | Hâ observer-based stabilization of switched discrete-time linear systems. **2017**, | |

| 285 | A modified two-step LMI method to design observer-based controller for linear discrete-time systems with parameter uncertainties. **2017**, | 1 |

| 284 | Local Model Predictive Control for T-S Fuzzy Systems. **2017**, 47, 2556-2567 | 15 |

| 283 | Robust Stabilization of Continuous-Time Nonlinear Switched Systems Without Stable Subsystems via Maximum Average Dwell Time. **2017**, 36, 1654-1670 | 9 |

| 282 | Reduced-order dynamic output feedback control of uncertain discrete-time Markov jump linear systems. **2017**, 90, 2368-2383 | 12 |

| 281 | Simultaneous estimation of multiple actuator anc sensor faults for Takagi-Sugeno fuzzy systems. **2017**, | 2 |

| 280 | Continuous-time observer-based gain-scheduled output feedback controller design with simultaneous optimization of scaling matrices. **2017**, | 0 |

| 279 | Linear Model Predictive Control and Time-delay Implications. **2017**, 50, 14406-14411 | 2 |

| 278 | Interposed H2/Hâ Design Conditions for Control of Linear Discrete-Time Systems. **2017**, | |

| 277 | Gain-scheduled static output feedback controller synthesis for discrete-time LPV systems. **2017**, 48, 2936-2947 | 13 |

| 276 | On the synthesis of variable structure observers for LPV systems. **2017**, | 1 |

| 275 | Hâ state feedback control design of discrete-time switched linear systems. **2017**, | 5 |

| 274 | Reinvestigation of distributed state observer for a spatially interconnected system. **2017**, | |

| 273 | Sufficient conditions for domain stabilisability of uncertain fractional-order systems under static-output feedbacks. **2017**, 11, 2004-2011 | 7 |

272    Global stabilization of fuzzy polynomial discrete-time nonlinear systems. **2017**, 145-160

271    . **2017**,

270    Robust nonlinear control for polynomial discrete-time systems. **2017**, 29-55

269    Sampled-data control of fuzzy systems based on the intelligent digital redesign method via an improved fuzzy Lyapunov functional approach. **2018**, 12, 163-173    7

268    Sampled-data Control of Fuzzy Systems Based on the Intelligent Digital Redesign Technique: An Input-delay Approach. **2018**, 16, 327-334    9

267    Distributed SINR Fusion Estimation for a Class of Wireless Networks. **2018**, 65, 1264-1268    5

266    Discrete-time robust LMI pole placement for magnetic levitation. **2018**,    1

265    RobustHâfinite-time control for discrete-time polytopic uncertain switched linear systems. **2018**, 29, 348-362    5

264    Stability and stabilisation of a class of networked dynamic systems. **2018**, 49, 964-973    7

263    A new fault detection approach for nonlinear Lipschitz systems with optimal disturbance attenuation level and Lipschitz constant. **2018**, 100, 1997-2009    2

262    A model predictive control framework for constrained uncertain positive systems. **2018**, 49, 884-896    9

261    A Piecewise Envelope Approach to H âControl of Nonlinear Systems. **2018**, 20, 1881-1890    0

260    Takagi-Sugeno fuzzy model identification for turbofan aero-engines with guaranteed stability. **2018**, 31, 1206-1214    11

259    Design of Stabilizing Dynamic Output Feedback Controllers for Hidden Markov Jump Linear Systems. **2018**, 2, 278-283    6

258    Affine Parameter-Dependent Lyapunov Functions for LPV Systems With Affine Dependence. **2018**, 63, 3865-3872    11

257    Containment Control of Linear Multiagent Systems With Aperiodic Sampling and Measurement Size Reduction. **2018**, 29, 5020-5029    60

256    Cooperative output regulation of multi-agent systems with switched leader dynamics. **2018**, 49, 1463-1477    5

255    Detector-based Hâresults for discrete-time Markov jump linear systems with partial observations. **2018**, 91, 159-172    38

| 254 | . **2018**, | 15 |
| --- | --- | --- |
| 253 | Guiding Image Segmentation on the Fly: Interactive Segmentation From a Feedback Control Perspective. **2018**, 63, 3276-3289 | 2 |
| 252 | A single dynamic observer-based module for design of simultaneous fault detection, isolation and tracking control scheme. **2018**, 91, 508-523 | 8 |
| 251 | Mixed -based actuator selection for uncertain polytopic systems with regional pole placement. **2018**, 91, 320-336 | 4 |
| 250 | Robust Stability Analysis and State Feedback Synthesis for Discrete-Time Systems Characterized by Random Polytopes. **2018**, 63, 556-562 | 14 |
| 249 | Robust State-Feedback Control of Uncertain LPV Systems. **2018**, 75-99 | |
| 248 | Mixed control of hidden Markov jump systems. **2018**, 28, 1261-1280 | 43 |
| 247 | Parameterized LMIs for robust and state feedback control of continuous-time polytopic systems. **2018**, 28, 940-952 | 10 |
| 246 | Hâ model predictive control for constrained discrete-time piecewise affine systems. **2018**, 28, 1973-1995 | 11 |
| 245 | Fault detection for discrete-time uncertain LPV systems using non-minimal order filter. **2018**, 355, 902-921 | 6 |
| 244 | Simultaneous Design of Discrete-Time Observer-Based Robust Scaled-H8 Controllers and Scaling Matrices. **2018**, 11, 65-71 | 1 |
| 243 | Stability Analysis of the Bat Algorithm Described as a Stochastic Discrete-Time State-Space System. **2018**, 2018, 1-10 | |
| 242 | Mixed Performance of Switched Systems with Time-varying Random Delay. **2018**, | 1 |
| 241 | Extended balanced truncation for continuous time LTI systems. **2018**, | 3 |
| 240 | H2 State-Feedback Synthesis under Positivity Constraint: Upper and Lower Bounds Computation of the Achievable Performance. **2018**, | 4 |
| 239 | A Fast Reference Governor for the Constrained Control of Linear Discrete-Time Systems with Parametric Uncertainties. **2018**, | 0 |
| 238 | Network-Aware Design of State-Feedback Controllers for Linear Wireless Networked Control Systems. **2018**, 51, 205-210 | 3 |
| 237 | Robust Fault Estimation based on Interval Takagi-Sugeno Unknown Input Observer. **2018**, 51, 508-514 | 8 |

| | | | |
|---|---|---|---|
| 236 | Robust Fault Detection Hâ Filter for Markovian Jump Linear Systems with Partial Information on the Jump Parameter. **2018**, 51, 202-207 | | 3 |
| 235 | An Improved LMI-based Approach for the Design of Power System Damping Controllers. **2018**, 51, 287-292 | | |
| 234 | L2-gain filter design for continuous-time LPV systems in finite frequency domain. **2018**, 51, 161-166 | | |
| 233 | Discrete time Hâ synthesis conditions for LPV filter design. **2018**, 51, 7-12 | | 3 |
| 232 | Affine Versus Multi-Affine Models for S-Variable LMI Conditions. **2018**, 51, 453-458 | | 1 |
| 231 | Hâ Control Based on Partitioning the Range of Fuzzy Weights for Uncertain Discrete-Time T-S Fuzzy Systems. **2018**, | | |
| 230 | A New Method for Gain-Scheduled Output Feedback Controller Design Using Inexact Scheduling Parameters. **2018**, | | 5 |
| 229 | A suboptimal LMI formulation for the H2 static output feedback control of hidden Markov jump linear systems. **2018**, | | |
| 228 | Statistical Watermarking for Networked Control Systems. **2018**, | | 6 |
| 227 | New robust LMI synthesis conditions for mixed ´gain-scheduled reduced-order DOF control of discrete-time LPV systems. **2018**, 28, 6122-6145 | | 15 |
| 226 | Exponentially Stabilizing Controllers for Multi-Contact 3D Bipedal Locomotion. **2018**, | | 1 |
| 225 | Discrete-Time State-Feedback Switching LPV Control with Separate Lyapunov Functions for Stability and Local Performance. **2018**, | | 4 |
| 224 | A Piecewise Control Synthesis Approach for Nonlinear Systems with application to Hypersonic Vehicle. **2018**, | | |
| 223 | On exploiting inexact scheduling parameters for gain-scheduled control of linear parameter-varying discrete-time systems. *Systems and Control Letters*, **2018**, 117, 1-10 | 2.4 | 8 |
| 222 | State control design for discrete-time systems with state constraints. **2018**, | | 0 |
| 221 | Enhanced Conditions in Design of Linear Discrete-time Positive System Control. **2018**, | | 0 |
| 220 | Distributed guaranteed cost control of networked interconnected systems under denial-of-service attacks: A switched system approach. **2018**, | | 3 |
| 219 | Robust Multiple Sensor Faultâ Tolerant Control For Dynamic Nonâ linear Systems: Application To The Aerodynamical Twinâ Rotor System. **2018**, 28, 297-308 | | 18 |

| | | | |
|---|---|---|---|
| 218 | Modeling and Closed Loop Flight Testing of a Fixed Wing Micro Air Vehicle. **2018**, 9, | | 8 |
| 217 | Event-triggered real-time scheduling stabilization of fuzzy systems via a new weighted matrix approach. **2018**, | | |
| 216 | HMM-Based $\mathcal{H}_{\infty}$ Filtering for Discrete-Time Markov Jump LPV Systems Over Unreliable Communication Channels. **2018**, 48, 2035-2046 | | 88 |
| 215 | Optimal guaranteed cost control for discrete-time LPV systems with bounded rates of variation. **2018**, 39, 1989-1998 | | 1 |
| 214 | Robust $\mathcal{H}_{\infty}$ Observer-Based Stabilization of Linear Discrete-Time Systems with Parameter Uncertaintes. **2018**, | | 1 |
| 213 | Stability and performance of discrete-time switched linear systems. *Systems and Control Letters*, **2018**, 118, 1-7 | 2.4 | 17 |
| 212 | Dynamic Output Feedback Predictive Control With One Free Control Move for the Takagiâ Sugeno Model With Bounded Disturbance. **2019**, 27, 462-473 | | 14 |
| 211 | State Feedback Stabilizing Controls. **2019**, 65-93 | | |
| 210 | A Separation Procedure Strategy for the Hâ Dynamic Output Feedback Control of Hidden Markov Jump System. **2019**, | | |
| 209 | H2 Dynamic Output Feedback Control for Hidden Markov Jump Linear Systems. **2019**, 509-532 | | 2 |
| 208 | l2-lâ Control for Sampled-data Systems with Packet Dropout: Switched System Method. **2019**, 17, 2746-2753 | | 2 |
| 207 | Robust (\mathcal{H}_\infty) Observer-based Stabilization of Linear Discrete-time Systems with Parameter Uncertainties. **2019**, 17, 2261-2273 | | 1 |
| 206 | Fault-tolerant Control of Discrete-time Descriptor Systems using Virtual Actuators. **2019**, | | 2 |
| 205 | Unifying Matrix Stability Concepts with a View to Applications. **2019**, 61, 643-729 | | 7 |
| 204 | Fuzzy-model-based sampled-data chaotic synchronisation under the input constraints consideration. **2019**, 13, 288-296 | | 9 |
| 203 | New stability results for discrete-time switched systems: a new multiple piecewise convex Lyapunov function approach. **2019**, | | 1 |
| 202 | Static output feedback control for discrete-time hidden Markov jump systems against deception attacks. **2019**, 29, 6616-6637 | | 7 |
| 201 | Sampled-Data Control of Interval Systems with Guaranteed Hâ Performance. **2019**, | | |

200    State Constraints in Discrete-time Positive System Control. **2019**,

199    Robust LMI Based Control of Magnetic Levitation Laboratory Plant. **2019**,    0

198    Faults Estimation and Decentralized Control for an Integrated Networked Control System with Faulty Actuators. **2019**,

197    Design and Experimental Validation of a Robust Output Feedback Control for the Coupled Dynamics of a Micro Air Vehicle. **2019**, 17, 155-167    5

196    Control of Discrete 2-D Takagiâ�ugeno Systems via a Sum-of-Squares Approach. **2019**, 30, 137-147    2

195    A Neural Network-Based Approach to Sensor and Actuator Fault-Tolerant Control. **2019**, 515-526

194    Multiobjective performance-based designs in fault estimation and isolation for discrete-time systems and its application to wind turbines. **2019**, 50, 1252-1274    4

193    Distributed guaranteed cost control for aperiodic sampled-data networked interconnected systems: a switched system approach. **2019**, 50, 1626-1635    2

192    Robust mixed performance of uncertain switched systems with random time-varying delay. **2019**, 50, 1415-1433    4

191    Backgrounds. **2019**, 1-18

190    Aperiodic sampled-data robust Hâ�control for delayed stochastic fuzzy systems with quasi-periodical multi-rate approach. **2019**, 356, 4530-4553    6

189    A Robust Decentralized Observer-Based Stabilization Method for Interconnected Nonlinear Systems: Improved LMI Conditions. **2019**, 267-291

188    Observer-Based Stabilization of Switched Discrete-Time Linear Systems With Parameter Uncertainties. **2019**, 209-239    1

187    A Novel Wirtinger-Based Inequality to Hâ�Filtering for Discrete-Time Systems with Time-Varying Delay. **2019**, 2019, 1-9

186    Improved stability results for discrete-time switched systems: A multiple piecewise convex Lyapunov function approach. **2019**, 353, 54-65    17

185    A time-varying convex Lyapunov function approach for dynamic output feedback Hâ�control of switched linear systems *. **2019**,

184    Robust Linear Quadratic Regulator: Exact Tractable Reformulation. **2019**,    0

183    Trade-offs on fault estimation via proportional multiple-integral and multiple-resonant observers for discrete-time systems. **2019**, 13, 659-671    3

182   Robust Consensus for Linear Multi-Agent Systems over Randomly Switching Topologies. **2019**,   5

181   Robust Pole Placement: DR-regions for Discrete-time Systems. **2019**,   1

180   State Feedback Synthesis for Discrete-time Linear Systems with Stochastic Parameters Guaranteeing Deterministic H2 Performance and Stochastic Stability. **2019**, 52, 664-669

179   Packet-Based State Feedback Control Under DoS Attacks in Cyber-Physical Systems. **2019**, 66, 1421-1425   40

178   Static output feedback stabilization of networked control systems with a parallel-triggered scheme. **2019**, 85, 60-70   12

177   Robust model predictive control for switched linear systems. **2019**, 89, 1-11   18

176   A framework for optimal actuator/sensor selection in a control system. **2019**, 92, 242-260   5

175   Discrete-time H∞ control of linear parameter-varying systems. **2019**, 92, 2750-2760   5

174   Synthesis of strictly positive real H2 controllers using dilated LMIs. **2019**, 92, 2584-2590   1

173   A quadratic boundedness approach to a neural network-based simultaneous estimation of actuator and sensor faults. **2020**, 32, 379-389   4

172   Robust estimation and diagnosis of wind turbine pitch misalignments at a wind farm level. **2020**, 146, 1746-1765   6

171   Multiple Lyapunov Functions Analysis Approach for Discrete-Time-Switched Piecewise-Affine Systems Under Dwell-Time Constraints. **2020**, 65, 2177-2184   99

170   $H_2$ / $H_infty$ Simultaneous Fault Detection and Control for Markov Jump Linear Systems With Partial Observation. **2020**, 8, 11979-11990   8

169   T-S fuzzy-based sliding mode controller design for discrete-time nonlinear model and its applications. **2020**, 519, 183-199   21

168   Extended Dissipativity-Based Control for Hidden Markov Jump Singularly Perturbed Systems Subject to General Probabilities. **2020**, 1-10   3

167   Exponential stability of discrete-time uncertain neural networks with multiple time-varying leakage delays. **2020**, 171, 233-245   10

166   Voltage Sensorless Control Scheme Based on Extended-State Estimator for a Grid-Connected Inverter. **2020**, 35, 5873-5882   12

165   LMI conditions for output feedback control of switched systems based on a time-varying convex Lyapunov function. **2020**, 357, 10513-10528   1

| 164 | Fault accommodation controller under Markovian jump linear systems with asynchronous modes. **2020**, 30, 8503-8520 | 3 |

| 163 | Robust Anti Windup Controller Synthesis of Multivariable Discrete Systems with Actuator Saturation. **2020**, | 4 |

| 162 | Robust Extended Hâ Control Strategy Using Linear Matrix Inequality Approach for Islanded Microgrid. **2020**, 8, 135883-135896 | 8 |

| 161 | Observer-based trajectory tracking control with preview action for a class of discrete-time Lipschitz nonlinear systems and its applications. **2020**, 12, 168781402092265 | 4 |

| 160 | Discrete-time multivariable PID controller design with application to an overhead crane. **2020**, 51, 2733-2745 | 4 |

| 159 | . **2020**, | |

| 158 | TakagiâБugeno Observer Design for Remaining Useful Life Estimation of Li-Ion Battery System Under Faults. **2020**, 9, 1537 | 1 |

| 157 | Robust Control of Three-Phase VSI with LCL Filter for Distributed Generation Power Quality Improvement. **2020**, 31, 1051-1062 | 1 |

| 156 | Asynchronous nonfragile Hâ Filtering for discrete-time nonlinear switched systems with quantization. **2020**, 37, 100911 | 8 |

| 155 | On discrete-time LPV control using delayed Lyapunov functions. **2020**, 23, 2359 | 6 |

| 154 | Mixed performance analysis of continuous switched systems with time-varying random delay. **2020**, 22, 2156-2166 | 3 |

| 153 | Distributed Robust Filtering for Wireless Sensor Networks with Markov Switching Topologies and Deception Attacks. **2020**, 20, | 3 |

| 152 | Observer-Based Decentralized Tracking Control with Preview Action for a Class of Nonlinear Interconnected Systems. **2020**, 2020, 1-18 | 1 |

| 151 | Fault estimation for fractional-order linear systems with polytopic uncertainties in the finite frequency domain. **2020**, 51, 389-403 | 1 |

| 150 | Estimation of Actuator and System Faults Via an Unknown Input Interval Observer for TakagiâБugeno Systems. **2020**, 8, 61 | 7 |

| 149 | Relaxed state estimation of discrete-time nonlinear control systems via an improved fuzzy partition-based switching observer. **2020**, 357, 6280-6293 | 1 |

| 148 | LMI-Based Filter Design Conditions for Discrete-Time LPV Systems With Bounded Parameter Variation. **2021**, 66, 910-915 | 6 |

| 147 | Linear Weakly Hard Real-Time Control Systems: Time- and Event-Triggered Stabilization. **2021**, 66, 1932-1939 | 4 |

| | | |
|---|---|---|
| 146 | Optimal guaranteed cost control of discrete-time linear systems subject to structured uncertainties. **2021**, 94, 1132-1142 | |
| 145 | New iterative linear matrix inequality based procedure for H2 and Hâ state feedback control of continuous-time polytopic systems. **2021**, 31, 51-68 | 1 |
| 144 | An LMI-Based Algorithm to Compute Robust Stabilizing Feedback Gains Directly as Optimization Variables. **2021**, 66, 4365-4370 | 6 |
| 143 | New LMI conditions for Hâ/H2 output feedback control of linear discrete-time systems. **2021**, 94, 1716-1722 | 3 |
| 142 | Integrated Design of Fault Estimation and Fault-Tolerant Control for Closed-Loop Systems With Uncertain Short Delay. **2021**, 9, 12989-12996 | 0 |
| 141 | Distributed Kalman Filtering for Interconnected Dynamic Systems. **2021**, PP, | 4 |
| 140 | Set Squeezing Procedure for Quadratically Perturbed Chance-Constrained Programming. **2021**, 69, 682-694 | 3 |
| 139 | Discrete-Time Pole-Region Robust Controller for Magnetic Levitation Plant. **2021**, 13, 142 | 2 |
| 138 | Further Improvements on Non-Negative Edge Consensus of Networked Systems. **2021**, PP, | 1 |
| 137 | Discrete-time state-feedback control of polytopic LPV systems. **2021**, 42, 1016-1029 | 1 |
| 136 | Robust Hâ filtering for singular Markovian jump systems via decoupling and substitution principles. **2021**, 31, 3179-3194 | |
| 135 | Linear matrix inequality-based solution for memory static output-feedback control of discrete-time linear systems affected by time-varying parameters. **2021**, 31, 4324-4336 | 1 |
| 134 | A new approach of H filtering for combustion systems using optical instrumentation. **2021**, | 0 |
| 133 | Cooperative Networked Control Based on a Time-Varying Lyapunov Function. **2021**, 32, 533-542 | |
| 132 | Impulsive Containment Control for Linear Multi-Agent Systems with Self-Feedback and Aperiodic Sampling. **2021**, | |
| 131 | Unknown Input Observer-based Actuator and Sensor Fault Estimation Technique for Uncertain Discrete Time Takagi-Sugeno Systems. **2021**, 19, 2444-2454 | 3 |
| 130 | On Optimal Control with Polynomial Cost Functions for Linear Systems with Time-Invariant Stochastic Parameters. **2021**, | 0 |
| 129 | Robust control based on linear matrix inequalities criterion of single phase distributed electrical energy systems operating in islanded and grid-connected modes. **2021**, 292, 116776 | 4 |

| 128 | Stable and robust LQR design via scenario approach. **2021**, 129, 109571 | 2 |

| 127 | Robust Stability Conditions for a Family of Linear Discrete-Time Systems Subjected to Uncertainties. **2021**, 82, 1456-1462 | |

| 126 | Stability analysis and stabilization of LPV systems with jumps and (piecewise) differentiable parameters using continuous and sampled-data controllers. **2021**, 41, 101040 | 2 |

| 125 | Multicriteria Minimax Problems: Localization of the Pareto Set and Suboptimal Control Design. **2021**, 82, 1321-1337 | |

| 124 | Comparison of Nonlinear and Linear Controllers for Magnetic Levitation System. **2021**, 11, 7795 | 0 |

| 123 | Network-Aware Controller Design With Performance Guarantees for Linear Wireless Systems. **2021**, 66, 4297-4302 | |

| 122 | Toward a Comprehensive Theory for Stability Regions of a Class of Nonlinear Discrete Dynamical Systems. **2021**, 66, 4371-4377 | |

| 121 | Distributed Robust Filtering over Sensor Networks with Quantized Measurement and Switching Topologies. **2021**, 10, 2336 | 1 |

| 120 | Reducing Conservatism in Analysis of Networked Control Systems Using Order Constraints. **2021**, 13, 91-106 | |

| 119 | A new -gain analysis framework for discrete-time switched systems based on predictive Lyapunov function. | 2 |

| 118 | Limit protection design in turbofan engine acceleration control based on scheduling command governor. **2021**, 34, 67-80 | 2 |

| 117 | Adaptive consensus-based distributed Hâ filtering with switching topology subject to partial information on transition probabilities. **2021**, 411, 126534 | 1 |

| 116 | . **2021**, 1-1 | |

| 115 | On Second-Moment Stability of Discrete-Time Linear Systems with General Stochastic Dynamics. **2021**, 1-1 | 2 |

| 114 | Linear Matrix Inequalities in Control Systems with Uncertainty. **2021**, 82, 1-40 | 4 |

| 113 | Control of Continuous-Time Markov Jump Linear Systems with Partial Information. **2021**, 87-107 | 2 |

| 112 | Stability and Stabilization of Networked Control Systems. **2010**, 203-253 | 37 |

| 111 | Stability Analysis of the Interval Systems Based on Linear Matrix Inequalities. **2019**, 371-378 | 1 |

| 92 | Simultaneous Design of Continuous-time Observer-based Output Feedback Scaled H&infin; Controllers and Scaling Matrices. **2017**, 53, 455-462 | 1 |

| 91 | Robust Recursive Regulator for Systems Subject to Polytopic Uncertainties. **2021**, 9, 139352-139360 | 0 |

| 90 | Alocaß robusta de pßs atravš de realimentaß de estados dependente de parĥetros. **2004**, 15, 127-134 | |

| 89 | Condiĝes LMI para estabilidade robusta de politopos de matrizes polinomiais. **2004**, 15, 388-400 | |

| 88 | HâControl of T-S Fuzzy Systems Using a Fuzzy Basis- Function-Dependent Lyapunov Function. **2008**, 14, 615-623 | |

| 87 | Stability of Systems with Time-Varying Delay. **2010**, 41-71 | |

| 86 | Perspectives of Multivariable Fuzzy Control. **2011**, 283-314 | |

| 85 | Robust Control of Discrete Linear Repetitive Processes with Parameter Varying Uncertainty. **2011**, 165-183 | |

| 84 | Robust Stabilization and Disturbance Attenuation of Switched Linear Parameter-Varying Systems in Discrete Time. **2012**, 157-179 | 1 |

| 83 | State-Feedback Switching Control for Discrete-TimeTakagi-Sugeno Fuzzy Systems Based on Partitioning TheRange of Fuzzy Weights. **2012**, 654-656 | 0 |

| 82 | Robust Passive Low-order Filtering for Discrete-time Uncertain Descriptor Systems. **2012**, 61, 466-471 | |

| 81 | Robust H2 Filtering Design for 2-D Discrete-time Linear System with Uncertainties. **2012**, 38, 303-307 | |

| 80 | Multisensor Fault-Tolerant Automotive Control. **2013**, 267-287 | 0 |

| 79 | Input-constrained Tracking Control of a Converter Model Using Invariant Sets. **2013**, 19, 177-182 | 1 |

| 78 | Robust Static Output Feedback (H_infty ) Control. **2014**, 17-94 | 1 |

| 77 | Robust Filtering for Discrete Time-Delay Systems. **2014**, 143-163 | |

| 76 | Robust Filtering for Continuous Time-Delay Systems. **2014**, 125-141 | |

| 75 | Stability Analysis of Uncertain Sampled-Data Systems. **2014**, 04, 75-83 | |

56 State-Feedback Output Tracking Via a Novel Optimal-Sliding Mode Control.

55 Fundamentals. **2019**, 17-40

54 Switched system approach to distributed guaranteed cost control for interconnected systems with communication unreliability. **2019**, 13, 1863-1871

1

53 Algebraic tests for the asymptotic stability of parametric linear systems. **2020**, 53, 4434-4439

52 Event-triggered distributed filtering for Markov jump systems over sensor networks. **2021**, 235, 1482-1493

51 A convex approach to robust LQR. **2020**,

0

50 On Design of Stabilizing Controllers Using Compression Operators for Linear Systems with Time-Varying and Time-Invariant Stochastic Parameters*. **2020**,

49 Predictive Control using LPV Techniques for Fast Discrete Time Nonlinear Systems with Changing Setpoints. **2021**, 54, 269-274

48 Stability Analysis for Linear Systems with Time-Varying and Time-Invariant Stochastic Parameters. **2020**, 53, 2273-2279

1

47 Output-Feedback Synthesis for a Class of Aperiodic Impulsive Systems. **2020**, 53, 7299-7304

46 Fast Switching Detector-Based $H_2$ Control of Markov Jump Linear Systems with Multiplicative Noises. **2021**, 59, 4243-4267

0

45 Fault Compensation Controller for Markovian Jump Linear Systems. **2020**, 53, 4103-4108

44 LQR Design under Stability Constraints. **2020**, 53, 5556-5560

43 Robust State Feedback Controller Design Method Guaranteeing Deterministic Hâ⃞Performance and Stochastic Stability. **2020**, 56, 275-283

42 L2-Gain Performance Analysis for Discrete-Time Systems with Input Saturation: an LPV Approach. **2020**, 53, 4588-4592

41 Guaranteed Cost Control for Uncertain Gene Regulatory Networks with Interval Time-Varying Discrete Delays and Constant Distributed Delays. **2020**,

40 Robust LQR for Uncertain Discrete-Time Systems using Polynomial Chaos. **2020**,

39 Cycle-to-Cycle Multipulse Fuel-Injection Control for Advanced Diesel Combustion in Changing and Disturbed Operating Points. **2021**, 143,

| 38 | Risk-theoretic optimal design of output-feedback controllers via iterative convex relaxations. **2022**, 136, 110042 | |
| 37 | Static Output Feedback Controller Design of Discrete Systems Subject to Actuator Magnitude and Rate Saturation. **2021**, | 3 |
| 36 | Anti Windup PID Control of Discrete Systems Subject to Actuator Magnitude and Rate Saturation: An Iterative LMI Approach. **2021**, | 3 |
| 35 | A Less Conservative Iterative LMI approach for Output Feedback Controller Synthesis for Saturated Discrete-Time Linear Systems. **2021**, | 3 |
| 34 | Robust static output feedback control for hidden Markov jump linear systems. 1-19 | 1 |
| 33 | ($\mathrm{H}_\infty$) non-clutch coordinated control for mode transition system of DM-PHEV with CAN-induced delays. 1 | 0 |
| 32 | Mixed-sensitivity L2 controller synthesis for discrete-time LPV/LFR systems. **2021**, 359, 1062-1062 | 1 |
| 31 | Extended balancing of continuous LTI systems: a structure-preserving approach. **2021**, 1-1 | 1 |
| 30 | Robust Control of GTIs under wide grid impedance ranges: An approach combining metaheuristics and LMIs. **2022**, 120, 105010 | 0 |
| 29 | On Regularizability and its Application to Online Control of Unstable LTI Systems. **2021**, 1-1 | 0 |
| 28 | Stochastic Stability via Robustness of Linear Systems. **2021**, | |
| 27 | Switching-Dependent Convex Lyapunov Function and Controller for Continuous-Time Switched Systems. 1 | |
| 26 | Robust Feedback Control for Discrete-Time Systems Based on Iterative LMIs with Polytopic Uncertainty Representations Subject to Stochastic Noise. 2, | 1 |
| 25 | Robust H_â Output Feedback Control for T-S Fuzzy Systems: A Non-?monotonic Approach. **2021**, 14, 107-118 | |
| 24 | CAN-induced asynchronous random delays-considered mode transition system for DM-PHEV based on constrained output feedback robust control strategy. **2022**, 1-1 | |
| 23 | On the exact feasibility of convex scenario programs with discarded constraints. **2022**, 1-1 | 0 |
| 22 | Discrete-time H2 and Hâ poly-quadratic filter designs for polytopic LPV systems. 1-16 | |
| 21 | Robust model predictive anti-slip controller and speed profile tracking of an electric train based on LMI approach. 1 | |

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|---|---|---|
| 20 | Stability and Controller Design of Discrete-time Switched Systems Based on Transferring-dependent Lyapunov Function Approach. **2022**, 20, 1142-1153 | o |
| 19 | Sufficient conditions on the Energy to Peak Filter Design for Continuous-time Polytopic Systems. **2021**, | |
| 18 | Reference tracking control for cyber-physical systems under DoS attacks. **2021**, | |
| 17 | Multicriteria Optimization of Induced Norms of Linear Operators: Primal and Dual Control and Filtering Problems. **2022**, 61, 176-190 | |
| 16 | LMI Conditions for Stability and State-Feedback Hâ Control of Discrete-Time Multi-Mode Multi-Dimensional Systems. **2022**, 1-1 | |
| 15 | Performance bounds of adaptive MPC with bounded parameter uncertainties. **2022**, 100688 | |
| 14 | H2 and Hâ Control with sector bound optimiza. **2022**, 100199 | |
| 13 | Event-triggered control of Markov jump systems against general transition probabilities and multiple disturbances via adaptive-disturbance-observer approach. **2022**, 608, 1113-1130 | 3 |
| 12 | Decentralized Observer-based Controller Design for Linear Interconnected Systems. **2022**, | |
| 11 | Distributed robust filtering for cyber-physical systems under periodic denial-of-service jamming attacks. 095965182211116 | |
| 10 | Vehicle Actuator Fault Detection With Finite-Frequency Specifications via Takagi-Sugeno Fuzzy Observers: Theory and Experiments. **2022**, 1-11 | o |
| 9 | Conversion From Unstructured LTI Controllers to Observer-Structured Ones for LPV Systems. 3, | o |
| 8 | State-Feedback Control for Cyber-Physical Discrete-Time Systems under Replay Attacks: An LMI Approach. **2022**, 2022, 1-9 | o |
| 7 | LMI conditions for evaluating and increasing stability margins of uncertain continuous-time linear systems. **2022**, 55, 37-42 | o |
| 6 | Distributed Fault Detection for Dynamic Systems Based on H /Hâ Indices. **2022**, | o |
| 5 | Reinforcement learning for control design of uncertain polytopic systems. **2023**, 625, 417-429 | o |
| 4 | Control design for cyber-physical systems under DoS attacks. **2022**, | o |
| 3 | Robust Observer-Based Adaptive High-Gain Feedback Design for Uncertain Saturated Discrete-Time Linear Systems. **2022**, | o |

| 2 | Minimizing Oscillations for Magnitude and Rate-Saturated Discrete-Time Systems by a $D_{R}$ Region Pole Placement. **2022**, | 0 |
| 1 | Data-based control design for linear discrete-time systems with robust stability guarantees. **2022**, | 0 |