# Xudong Zhao

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 208 papers | 8,791 citations | 50 h-index | 89 g-index |
| 223 ext. papers | 10,949 ext. citations | 4.2 avg, IF | 7.21 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 208 | Generic stability criteria for switched nonlinear systems with switching-signal-based Lyapunov functions using Takagi-Sugeno fuzzy model. *IEEE Transactions on Fuzzy Systems*, **2022**, 1-1 | 8.3 | 1 |
| 207 | Improved Interval Estimation Method for Cyber-Physical Systems Under Stealthy Deception Attacks. *IEEE Transactions on Signal and Information Processing Over Networks*, **2022**, 8, 1-11 | 2.8 | |
| 206 | Event-Triggered Control for Network-Based Switched Systems With Switching Signals Subject to Dual-Terminal DoS Attacks. *IEEE/ACM Transactions on Networking*, **2022**, 1-11 | 3.8 | 1 |
| 205 | Adaptive fuzzy tracking control of switched MIMO nonlinear systems with full state constraints and unknown control directions. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2022**, 1-1 | 3.5 | 15 |
| 204 | Time-scheduled observer design for switched linear systems with unknown inputs. *Science China Information Sciences*, **2022**, 65, 1 | 3.4 | 0 |
| 203 | Model-based dynamic event-triggered control for cyber-physical systems subject to dynamic quantization and DoS attacks. *IEEE Transactions on Network Science and Engineering*, **2022**, 1-1 | 4.9 | 0 |
| 202 | Fuzzy event-triggered control for nonlinear networked control systems. *Journal of the Franklin Institute*, **2022**, 359, 2593-2607 | 4 | 1 |
| 201 | Adaptive neural finite-time hierarchical sliding mode control of uncertain under-actuated switched nonlinear systems with backlash-like hysteresis. *Information Sciences*, **2022**, 599, 147-169 | 7.7 | 8 |
| 200 | Backstepping-Based Controller Design for Uncertain Switched High-Order Nonlinear Systems via PI Compensation. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2022**, 1-11 | 7.3 | 1 |
| 199 | Prescribed Performance Based Finite-Time Consensus Technology of Nonlinear Multi-agent Systems and Application to FDPs. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2022**, 1-1 | 3.5 | 1 |
| 198 | Fuzzy Control of Nonlinear Strict-feedback Systems with Full-State Constraints: A New Barrier Function Approach. *IEEE Transactions on Fuzzy Systems*, **2022**, 1-1 | 8.3 | |
| 197 | Neural-Network-Based Adaptive Event-Triggered Asymptotically Consensus Tracking Control for Nonlinear Nonstrict-Feedback MASs: An Improved Dynamic Surface Approach. *IEEE Transactions on Neural Networks and Learning Systems*, **2022**, 1-14 | 10.3 | 0 |
| 196 | Functional interval estimation method for discrete-time switched systems under asynchronous switching. *Journal of the Franklin Institute*, **2022**, 359, 5712-5712 | 4 | |
| 195 | . *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2021**, 1-1 | 3.5 | 3 |
| 194 | Guaranteed cost stabilization control of discrete-time switched systems. *IET Control Theory and Applications*, **2021**, 15, 404-415 | 2.5 | 1 |
| 193 | Stability and L-gain analysis of nonlinear positive Markov jump systems based on a switching transition probability. *ISA Transactions*, **2021**, 121, 86-86 | 5.5 | 1 |
| 192 | Single-network ADP for solving optimal event-triggered tracking control problem of completely unknown nonlinear systems. *International Journal of Intelligent Systems*, **2021**, 36, 4795-4815 | 8.4 | 26 |

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|---|---|---|---|
| 191 | Stabilization of hybrid systems under state constraints. *Nonlinear Analysis: Hybrid Systems*, **2021**, 40, 101015 | 4.5 | 2 |
| 190 | Prescribed-time observers of LPV systems: A linear matrix inequality approach. *Applied Mathematics and Computation*, **2021**, 398, 125982 | 2.7 | 2 |
| 189 | Set Stabilization and Optimal Control of Switched Multi-Valued Logical Control Networks With State-Dependent Switching Signals. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2021**, 68, 1952-1956 | 3.5 | 1 |
| 188 | Small-gain technique-based adaptive fuzzy command filtered control for uncertain nonlinear systems with unmodeled dynamics and disturbances. *International Journal of Adaptive Control and Signal Processing*, **2021**, 35, 1664-1684 | 2.8 | 11 |
| 187 | An event-triggered integer-mixed adaptive dynamic programming for switched nonlinear systems with bounded inputs. *International Journal of Robust and Nonlinear Control*, **2021**, 31, 7280-7297 | 3.6 | 1 |
| 186 | Observer design for semi-Markov jump systems with incremental quadratic constraints. *Journal of the Franklin Institute*, **2021**, 358, 5599-5622 | 4 | 3 |
| 185 | Asynchronous Decentralized Event-Triggered Control for Switched Large-Scale Systems Subject to Data Congestions and Disorders. *IEEE Systems Journal*, **2021**, 15, 2541-2552 | 4.3 | 11 |
| 184 | Stability Analysis of Discrete-Time Switched Systems With Unstable Modes: An Improved Ratio-Based Tradeoff Approach. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2021**, 68, 431-435 | 3.5 | 3 |
| 183 | Adaptive fault-tolerant control for switched nonlinear systems based on command filter technique. *Applied Mathematics and Computation*, **2021**, 392, 125725 | 2.7 | 42 |
| 182 | Direct Adaptive Fuzzy Tracking Control of Non-affine Stochastic Nonlinear Time-Delay Systems. *International Journal of Fuzzy Systems*, **2021**, 23, 309-321 | 3.6 | 3 |
| 181 | Exponential Stability of Discrete-Time Neural Networks With Large Delay. *IEEE Transactions on Cybernetics*, **2021**, 51, 2824-2834 | 10.2 | 3 |
| 180 | An Input Delay Approach to Interval Type-2 Fuzzy Exponential Stabilization for Nonlinear Unreliable Networked Sampled-Data Control Systems. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 51, 3488-3497 | 7.3 | 27 |
| 179 | Command Filter-Based Adaptive Neural Control Design for Nonstrict-Feedback Nonlinear Systems With Multiple Actuator Constraints. *IEEE Transactions on Cybernetics*, **2021**, PP, | 10.2 | 6 |
| 178 | Adaptive Decentralized Asymptotic Tracking Control for Large-Scale Nonlinear Systems With Unknown Strong Interconnections. *IEEE/CAA Journal of Automatica Sinica*, **2021**, 1-14 | 7 | 9 |
| 177 | A Fastly and Slowly Cyclic Switching Strategy for Discrete-Time Cyclic Switched Systems and Its Application to Inverter Circuits. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2021**, 1-1 | 3.5 | 3 |
| 176 | Fuzzy Energy-to-peak Filtering For Continuous-time Nonlinear Singular System. *IEEE Transactions on Fuzzy Systems*, **2021**, 1-1 | 8.3 | 15 |
| 175 | Adaptive-Critic Design for Decentralized Event-Triggered Control of Constrained Nonlinear Interconnected Systems Within an Identifier-Critic Framework. *IEEE Transactions on Cybernetics*, **2021**, PP, | 10.2 | 32 |
| 174 | Real-time Reachable Set Control for Singular Markov Jump Networked Cascade Systems. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2021**, 1-1 | 3.5 | 1 |

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| 173 | Event-Triggered Control for Networked Switched Systems Subject to Data Asynchronization. *IEEE Systems Journal*, **2021**, 1-12 | 4.3 | 5 |
| 172 | Finite-Time-Prescribed Performance-Based Adaptive Fuzzy Control for Strict-Feedback Nonlinear Systems With Dynamic Uncertainty and Actuator Faults. *IEEE Transactions on Cybernetics*, **2021**, PP, | 10.2 | 22 |
| 171 | Quantized Dynamic Output Feedback Control and $L_2$-Gain Analysis for Networked Control Systems: A Hybrid Approach. *IEEE Transactions on Network Science and Engineering*, **2021**, 8, 575-587 | 4.9 | 5 |
| 170 | A fast-moving horizon estimation method based on the symplectic pseudospectral algorithm. *Transactions of the Institute of Measurement and Control*, **2021**, 43, 2500-2511 | 1.8 | 1 |
| 169 | Stochastic finite-time stabilization for discrete-time positive Markov jump time-delay systems. *Journal of the Franklin Institute*, **2021**, 359, 84-84 | 4 | 3 |
| 168 | L2-gain analysis for dynamic event-triggered networked control systems with packet losses and quantization. *Automatica*, **2021**, 129, 109587 | 5.7 | 8 |
| 167 | Periodic Event-Triggered Estimation for Networked Control Systems. *Electronics (Switzerland)*, **2021**, 10, 2215 | 2.6 | |
| 166 | Adaptive control design for uncertain switched nonstrict-feedback nonlinear systems to achieve asymptotic tracking performance. *Applied Mathematics and Computation*, **2021**, 408, 126344 | 2.7 | 17 |
| 165 | Model-Based adaptive event-Triggered control of nonlinear continuous-Time systems. *Applied Mathematics and Computation*, **2021**, 408, 126330 | 2.7 | 24 |
| 164 | Attitude Control of Rigid Bodies: An Energy-Optimal Geometric Switching Control Approach. *IEEE/ASME Transactions on Mechatronics*, **2021**, 1-1 | 5.5 | 3 |
| 163 | Peak-to-Peak Filtering for Discrete-Time Singular Systems. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2021**, 1-1 | 3.5 | 10 |
| 162 | Switched Dynamic Systems with Logic Switching and Its Stability Analysis. *SIAM Journal on Control and Optimization*, **2021**, 59, 1188-1217 | 1.9 | 5 |
| 161 | Adaptive Optimal Control for Unknown Constrained Nonlinear Systems With a Novel Quasi-Model Network. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, PP, | 10.3 | 2 |
| 160 | Dynamic Event-Triggered Finite-Time H□Tracking Control of Switched LPV Aero-Engine Models. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2021**, 1-1 | 3.5 | 0 |
| 159 | Security Investment in Cyber-Physical Systems: Stochastic Games With Asymmetric Information and Resource Constrained Players. *IEEE Transactions on Automatic Control*, **2021**, 1-1 | 5.9 | 0 |
| 158 | Global stability at a limit cycle for switched multi-valued logical networks. *Asian Journal of Control*, **2021**, 23, 860-870 | 1.7 | 1 |
| 157 | Adaptive finite-time output-feedback control design for switched pure-feedback nonlinear systems with average dwell time. *Nonlinear Analysis: Hybrid Systems*, **2020**, 37, 100908 | 4.5 | 49 |
| 156 | Interval observer design method for asynchronous switched systems. *IET Control Theory and Applications*, **2020**, 14, 1082-1090 | 2.5 | 25 |

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| 155 | Event-Triggered Optimal Control for Discrete-Time Switched Nonlinear Systems With Constrained Control Input. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 1-10 | 7.3 | 9 |
| 154 | Small-Gain Technique-Based Adaptive Neural Output-Feedback Fault-Tolerant Control of Switched Nonlinear Systems With Unmodeled Dynamics. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 1-12 | 7.3 | 51 |
| 153 | Fuzzy $mathcal {H}_{infty }$ Output Feedback Control for Nonlinear NCSs With Quantization and Stochastic Communication Protocol. *IEEE Transactions on Fuzzy Systems*, **2020**, 1-1 | 8.3 | 32 |
| 152 | A review on carrier aircraft dispatch path planning and control on deck. *Chinese Journal of Aeronautics*, **2020**, 33, 3039-3057 | 3.7 | 8 |
| 151 | Partial and Global Stabilization at An Attractor for k-valued Logical Control Networks. *Journal of the Franklin Institute*, **2020**, 357, 7003-7019 | 4 | 5 |
| 150 | New Results on Finite-Time Stability and Stabilization of Switched Positive Linear Time-Delay Systems. *IEEE Access*, **2020**, 8, 4418-4427 | 3.5 | 3 |
| 149 | Locating method and motion stroke design of flexible assembly tooling for multiple aircraft components. *International Journal of Advanced Manufacturing Technology*, **2020**, 107, 549-571 | 3.2 | 3 |
| 148 | Exponential Stability of Delayed Generalized Neural Networks With Intermittent Large-Delay Periods. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 1-11 | 7.3 | 0 |
| 147 | Functional interval observer for discrete-time systems with disturbances. *Applied Mathematics and Computation*, **2020**, 383, 125352 | 2.7 | 11 |
| 146 | Positioning error guarantee method with two-stage compensation strategy for aircraft flexible assembly tooling. *Journal of Manufacturing Systems*, **2020**, 55, 285-301 | 9.1 | 3 |
| 145 | Stability and l2-gain of discrete-time switched systems with unstable modes. *International Journal of Robust and Nonlinear Control*, **2020**, 30, 567-586 | 3.6 | 8 |
| 144 | Event-Triggered Dynamic Output Feedback Control for Switched Systems With Frequent Asynchronism. *IEEE Transactions on Automatic Control*, **2020**, 65, 3120-3127 | 5.9 | 45 |
| 143 | Stability and 1-Gain Analysis for Switched Positive Systems With MDADT Based on Quasi-Time-Dependent Approach. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 1-9 | 7.3 | 2 |
| 142 | Quantized Nonstationary Filtering of Networked Markov Switching RSNSs: A Multiple Hierarchical Structure Strategy. *IEEE Transactions on Automatic Control*, **2020**, 65, 4816-4823 | 5.9 | 108 |
| 141 | Finite-time stabilization and H control for a class of switched nonlinear port-controlled Hamiltonian systems subject to actuator saturation. *Journal of the Franklin Institute*, **2020**, 357, 11807-11829 | 4 | 4 |
| 140 | Observer-based adaptive neural tracking control for output-constrained switched MIMO nonstrict-feedback nonlinear systems with unknown dead zone. *Nonlinear Dynamics*, **2020**, 99, 1019-1036 | 5 | 63 |
| 139 | Stabilisation and H control for switched port-controlled Hamiltonian systems with unstable modes and actuator saturation. *International Journal of Systems Science*, **2020**, 51, 1-19 | 2.3 | 9 |
| 138 | Bumpless Transfer H Anti-Disturbance Control of Switching Markovian LPV Systems Under the Hybrid Switching. *IEEE Transactions on Cybernetics*, **2020**, PP, | 10.2 | 19 |

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| 137 | Control design for switched port-controlled Hamiltonian systems with unstabilizable modes: An improved mode-dependent average dwell time scheme. *Nonlinear Analysis: Hybrid Systems*, **2020**, 38, 100944 | 4.5 | 0 |
| 136 | Resilient ${H_{infty}}$ Filter Design For Continuous-Time Nonlinear Systems. *IEEE Transactions on Fuzzy Systems*, **2020**, 1-1 | 8.3 | 20 |
| 135 | Stability and $l_2$ -Gain Analysis of Discrete-Time Switched Systems with Mode-Dependent Average Dwell Time. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 50, 2305-2314 | 7.3 | 16 |
| 134 | Robust Tube-Based Model Predictive Control for Lane Change Maneuver of Tractor-Trailer Vehicles Based on a Polynomial Trajectory. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 50, 5180-5188 | 7.3 | 20 |
| 133 | Adaptive Fuzzy Finite-Time Control of Nonlinear Systems With Actuator Faults. *IEEE Transactions on Cybernetics*, **2020**, 50, 1786-1797 | 10.2 | 133 |
| 132 | Neural-network-based tracking Control for a Class of time-delay nonlinear systems with unmodeled dynamics. *Neurocomputing*, **2020**, 396, 179-190 | 5.4 | 8 |
| 131 | Reduced-Order Observer Design for Switched Descriptor Systems With Unknown Inputs. *IEEE Transactions on Automatic Control*, **2020**, 65, 287-294 | 5.9 | 38 |
| 130 | Stabilization of Linear Systems With Input Saturation and Large Delay. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 50, 4482-4491 | 7.3 | 4 |
| 129 | Observed-based adaptive finite-time tracking control for a class of nonstrict-feedback nonlinear systems with input saturation. *Journal of the Franklin Institute*, **2020**, 357, 11518-11544 | 4 | 91 |
| 128 | Interval Type-2 Fuzzy Sampled-Data $H_{infty }$ Control for Nonlinear Unreliable Networked Control Systems. *IEEE Transactions on Fuzzy Systems*, **2020**, 28, 1434-1448 | 8.3 | 42 |
| 127 | Fuzzy Approximation Based Asymptotic Tracking Control for a Class of Uncertain Switched Nonlinear Systems. *IEEE Transactions on Fuzzy Systems*, **2020**, 28, 632-644 | 8.3 | 175 |
| 126 | Event-triggered adaptive fuzzy output feedback control of MIMO switched nonlinear systems with average dwell time. *Applied Mathematics and Computation*, **2020**, 365, 124665 | 2.7 | 51 |
| 125 | Adaptive Fuzzy Tracking Control for a Class of Uncertain Switched Nonlinear Systems with Multiple Constraints: A Small-Gain Approach. *International Journal of Fuzzy Systems*, **2019**, 21, 2609-2624 | 3.6 | 88 |
| 124 | Observer-based fuzzy adaptive stabilization of uncertain switched stochastic nonlinear systems with input quantization. *Journal of the Franklin Institute*, **2019**, 356, 1789-1809 | 4 | 86 |
| 123 | Stabilization of discrete-time switched singular systems with state, output and switching delays. *Journal of the Franklin Institute*, **2019**, 356, 2060-2089 | 4 | 8 |
| 122 | Adaptive neural control for switched nonlinear systems with unknown backlash-like hysteresis and output dead-zone. *Neurocomputing*, **2019**, 357, 203-214 | 5.4 | 73 |
| 121 | Observer-based adaptive fuzzy tracking control of MIMO switched nonlinear systems preceded by unknown backlash-like hysteresis. *Information Sciences*, **2019**, 490, 369-386 | 7.7 | 91 |
| 120 | Delay-dependent global exponential stability for neural networks with time-varying delay. *Neurocomputing*, **2019**, 338, 172-180 | 5.4 | 20 |

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| 119 | Stability of Discrete-time Switched Positive Linear Systems with Mode-dependent Average Dwell Time. *Lecture Notes in Control and Information Sciences*, **2019**, 3-10 | 0.5 | |
| 118 | Static output feedback control of switched systems with quantization: A nonhomogeneous sojourn probability approach. *International Journal of Robust and Nonlinear Control*, **2019**, 29, 5992-6005 | 3.6 | 74 |
| 117 | Stability analysis of switched positive nonlinear systems: an invariant ray approach. *Science China Information Sciences*, **2019**, 62, 1 | 3.4 | 1 |
| 116 | LP-based observer design for switched positive linear time-delay systems. *Transactions of the Institute of Measurement and Control*, **2019**, 41, 2419-2427 | 1.8 | 8 |
| 115 | Event-trigger-based adaptive fuzzy hierarchical sliding mode control of uncertain under-actuated switched nonlinear systems. *ISA Transactions*, **2019**, | 5.5 | 14 |
| 114 | Design of multiple-mode observer and multiple-mode controller for switched positive linear systems. *IET Control Theory and Applications*, **2019**, 13, 1320-1328 | 2.5 | 8 |
| 113 | Stability of switched positive linear time-delay systems. *IET Control Theory and Applications*, **2019**, 13, 912-919 | 2.5 | 14 |
| 112 | Point Stabilization Control Method for WIP Vehicles Based on Motion Planning. *IEEE Transactions on Industrial Informatics*, **2019**, 15, 3368-3378 | 11.9 | 5 |
| 111 | Optimal control of Boolean control networks with average cost: A policy iteration approach. *Automatica*, **2019**, 100, 378-387 | 5.7 | 89 |
| 110 | Adaptive Neural Backstepping Control Design for A Class of Nonsmooth Nonlinear Systems. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2019**, 49, 1820-1831 | 7.3 | 101 |
| 109 | Stability of discrete-time switched systems with admissible edge-dependent switching signals. *International Journal of Systems Science*, **2018**, 49, 974-983 | 2.3 | 9 |
| 108 | Stability Analysis and Delay Control for Switched Positive Linear Systems. *IEEE Transactions on Automatic Control*, **2018**, 63, 2184-2190 | 5.9 | 76 |
| 107 | New approaches to positive observer design for discrete-time positive linear systems. *Journal of the Franklin Institute*, **2018**, 355, 4336-4350 | 4 | 29 |
| 106 | Stabilization of switched linear systems via admissible edge-dependent switching signals. *Nonlinear Analysis: Hybrid Systems*, **2018**, 29, 100-109 | 4.5 | 35 |
| 105 | l2□filtering of discrete-time switched systems via admissible edge-dependent switching signals. *Systems and Control Letters*, **2018**, 113, 17-26 | 2.4 | 28 |
| 104 | Observer Design and Unknown Input Reconstruction for a Class of Switched Descriptor Systems. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2018**, 48, 1411-1419 | 7.3 | 29 |
| 103 | Stability analysis of switched systems with extended average dwell time. *Transactions of the Institute of Measurement and Control*, **2018**, 40, 1425-1434 | 1.8 | 17 |
| 102 | Fuzzy Tracking Control for Switched Uncertain Nonlinear Systems With Unstable Inverse Dynamics. *IEEE Transactions on Fuzzy Systems*, **2018**, 26, 1066-1072 | 8.3 | 10 |

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| 101 | Improved Controller Design for Uncertain Positive Systems and its Extension to Uncertain Positive Switched Systems. *Asian Journal of Control*, **2018**, 20, 159-173 | 1.7 | 9 |
| 100 | Fuzzy-Approximation-Based Adaptive Output-Feedback Control for Uncertain Nonsmooth Nonlinear Systems. *IEEE Transactions on Fuzzy Systems*, **2018**, 26, 3847-3859 | 8.3 | 111 |
| 99 | Stability and control of discrete-time switched systems via one-step ahead Lyapunov function approach. *IET Control Theory and Applications*, **2018**, 12, 1141-1147 | 2.5 | 14 |
| 98 | Collaborative distributed design for wireless control systems with Markovian-type control network and distributed network-induced time delays. *International Journal of Robust and Nonlinear Control*, **2018**, 28, 5464-5480 | 3.6 | 4 |
| 97 | Stability and L1-gain analysis for switched positive T S fuzzy systems under asynchronous switching. *Journal of the Franklin Institute*, **2018**, 355, 5912-5927 | 4 | 20 |
| 96 | Stability of discrete-time systems with time-varying delay based on switching technique. *Journal of the Franklin Institute*, **2018**, 355, 6026-6044 | 4 | 9 |
| 95 | . *IEEE Transactions on Automation Science and Engineering*, **2017**, 14, 1440-1450 | 4.9 | 46 |
| 94 | New Stability and Stabilization Conditions of Switched Systems with Mode-Dependent Average Dwell Time. *Circuits, Systems, and Signal Processing*, **2017**, 36, 82-98 | 2.2 | 110 |
| 93 | Improved stability criteria for switched positive linear systems with average dwell time switching. *Journal of the Franklin Institute*, **2017**, 354, 3472-3484 | 4 | 108 |
| 92 | Static output feedback control of nonhomogeneous Markovian jump systems with asynchronous time delays. *Information Sciences*, **2017**, 399, 219-238 | 7.7 | 100 |
| 91 | Exponential stability analysis andl1synthesis of positive T-S fuzzy systems with time-varying delays. *Nonlinear Analysis: Hybrid Systems*, **2017**, 24, 186-197 | 4.5 | 26 |
| 90 | Robust impulsive reset observers of a class of switched nonlinear systems with unknown inputs. *Journal of the Franklin Institute*, **2017**, 354, 2924-2943 | 4 | 19 |
| 89 | An improved approach to controller design of positive systems using controller gain decomposition. *Journal of the Franklin Institute*, **2017**, 354, 1356-1373 | 4 | 21 |
| 88 | Adaptive Neural Tracking Control for Switched High-Order Stochastic Nonlinear Systems. *IEEE Transactions on Cybernetics*, **2017**, 47, 3088-3099 | 10.2 | 67 |
| 87 | Robust adaptive tracking control of uncertain systems with time-varying input delays. *International Journal of Systems Science*, **2017**, 48, 3440-3449 | 2.3 | 4 |
| 86 | Adaptive fuzzy tracking control for a class of high-order switched uncertain nonlinear systems. *Journal of the Franklin Institute*, **2017**, 354, 6567-6587 | 4 | 27 |
| 85 | Adaptive neural tracking control for a class of uncertain nonstrict-feedback nonlinear systems. *Journal of the Franklin Institute*, **2017**, 354, 6503-6519 | 4 | 10 |
| 84 | Switching Stabilization of Switched Systems Composed of Unstable Subsystems. *Studies in Systems, Decision and Control*, **2017**, 41-63 | 0.8 | |

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|---|---|---|---|
| 83 | Control Synthesis of Switched Systems. *Studies in Systems, Decision and Control*, **2017**, | 0.8 | 21 |
| 82 | Adaptive Fuzzy Hierarchical Sliding-Mode Control for a Class of MIMO Nonlinear Time-Delay Systems With Input Saturation. *IEEE Transactions on Fuzzy Systems*, **2017**, 25, 1062-1077 | 8.3 | 144 |
| 81 | New Results on Stability of Slowly Switched Systems: A Multiple Discontinuous Lyapunov Function Approach. *IEEE Transactions on Automatic Control*, **2017**, 62, 3502-3509 | 5.9 | 208 |
| 80 | . *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2017**, 47, 1394-1404 | 7.3 | 70 |
| 79 | Dual approach to stability and stabilisation of uncertain switched positive systems. *International Journal of Systems Science*, **2017**, 48, 873-884 | 2.3 | 11 |
| 78 | Adaptive neural tracking control for a class of uncertain switched nonlinear systems with unknown backlash-like hysteresis control input. *Neurocomputing*, **2017**, 219, 50-58 | 5.4 | 24 |
| 77 | Aero-engine performance optimization based on whale optimization algorithm **2017**, | | 4 |
| 76 | New approaches to positive observer design of linear positive systems **2017**, | | 1 |
| 75 | Finite-time exact tracking control for a class of non-linear dynamical systems. *IET Control Theory and Applications*, **2017**, 11, 2020-2027 | 2.5 | 5 |
| 74 | Conclusions and Future Study Directions. *Studies in Systems, Decision and Control*, **2017**, 163-164 | 0.8 | |
| 73 | Intelligent Tracking Control for a Class of Uncertain High-Order Nonlinear Systems. *IEEE Transactions on Neural Networks and Learning Systems*, **2016**, 27, 1976-82 | 10.3 | 107 |
| 72 | Stabilization for a Class of Switched Nonlinear Systems With Novel Average Dwell Time Switching by T-S Fuzzy Modeling. *IEEE Transactions on Cybernetics*, **2016**, 46, 1952-7 | 10.2 | 161 |
| 71 | Control of Switched Nonlinear Systems via TS Fuzzy Modeling. *IEEE Transactions on Fuzzy Systems*, **2016**, 24, 235-241 | 8.3 | 111 |
| 70 | Stability analysis of discrete-time switched systems: a switched homogeneous Lyapunov function method. *International Journal of Control*, **2016**, 89, 297-305 | 1.5 | 16 |
| 69 | Adaptive Neural Control of MIMO Nonstrict-Feedback Nonlinear Systems With Time Delay. *IEEE Transactions on Cybernetics*, **2016**, 46, 1337-49 | 10.2 | 109 |
| 68 | Reset stabilisation of positive linear systems. *International Journal of Systems Science*, **2016**, 47, 2773-2782 | 2.3 | 12 |
| 67 | Robust filter design for a class of uncertain systems with . *Journal of the Franklin Institute*, **2016**, 353, 4233-4252 | 4 | 6 |
| 66 | Finite-Time Stability and Stabilization of Fractional Order Positive Switched Systems. *Circuits, Systems, and Signal Processing*, **2016**, 35, 2450-2470 | 2.2 | 31 |

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| 65 | Adaptive output-feedback neural tracking control for a class of nonstrict-feedback nonlinear systems. *Information Sciences*, **2016**, 334-335, 205-218 | 7.7 | 30 |
| 64 | New results on robust control for a class of uncertain systems and its applications to Chua oscillator. *Nonlinear Dynamics*, **2016**, 84, 1929-1941 | 5 | 12 |
| 63 | Absolute exponential stability of switched nonlinear time-delay systems. *Journal of the Franklin Institute*, **2016**, 353, 1249-1267 | 4 | 18 |
| 62 | Stability analysis of discrete-time switched linear systems with unstable subsystems. *Applied Mathematics and Computation*, **2016**, 273, 718-725 | 2.7 | 23 |
| 61 | On robust control of continuous-time systems with state-dependent uncertainties and its application to mechanical systems. *ISA Transactions*, **2016**, 60, 12-20 | 5.5 | 18 |
| 60 | Fuzzy Adaptive Control Design and Discretization for a Class of Nonlinear Uncertain Systems. *IEEE Transactions on Cybernetics*, **2016**, 46, 1476-83 | 10.2 | 153 |
| 59 | Absolute exponential L 1 -gain analysis and synthesis of switched nonlinear positive systems with time-varying delay. *Applied Mathematics and Computation*, **2016**, 284, 24-36 | 2.7 | 23 |
| 58 | State-dependent switching control of switched positive fractional-order systems. *ISA Transactions*, **2016**, 62, 103-8 | 5.5 | 58 |
| 57 | L1/1-Gain analysis and synthesis of Markovian jump positive systems with time delay. *ISA Transactions*, **2016**, 63, 93-102 | 5.5 | 32 |
| 56 | Linear programming-based robust model predictive control for positive systems. *IET Control Theory and Applications*, **2016**, 10, 1789-1797 | 2.5 | 22 |
| 55 | Switching Stabilization for a Class of Slowly Switched Systems. *IEEE Transactions on Automatic Control*, **2015**, 60, 221-226 | 5.9 | 241 |
| 54 | Stability and (l_{1})-Gain Analysis for Switched Delay Positive Systems with Stable and Unstable Subsystems. *Circuits, Systems, and Signal Processing*, **2015**, 34, 1683-1696 | 2.2 | 10 |
| 53 | Adaptive tracking control for switched stochastic nonlinear systems with unknown actuator dead-zone. *Automatica*, **2015**, 60, 193-200 | 5.7 | 284 |
| 52 | Distributed adaptive attitude synchronization for spacecraft formation flying with sampled-data information flows. *Journal of the Franklin Institute*, **2015**, 352, 2796-2809 | 4 | 16 |
| 51 | Discussions on observer design of nonlinear positive systems via TS fuzzy modeling. *Neurocomputing*, **2015**, 157, 70-75 | 5.4 | 33 |
| 50 | Adaptive Control for a Class of Switched Linear Systems Using State-Dependent Switching. *Circuits, Systems, and Signal Processing*, **2015**, 34, 3681-3695 | 2.2 | 12 |
| 49 | Further results on stability and stabilisation of switched positive systems. *IET Control Theory and Applications*, **2015**, 9, 2132-2139 | 2.5 | 18 |
| 48 | Stabilization for delayed positive nonlinear systems via T-S fuzzy modeling **2015**, | | 5 |

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|---|---|---|---|
| 47 | Tracking and (varvec{H_infty }) control of constrained nonlinear switched systems in strict feedback form. *Nonlinear Dynamics*, **2015**, 80, 87-100 | 5 | 7 |
| 46 | Adaptive tracking control for a class of uncertain switched nonlinear systems. *Automatica*, **2015**, 52, 185-191 | 5.7 | 287 |
| 45 | Multiple-Mode Observer Design for a Class of Switched Linear Systems. *IEEE Transactions on Automation Science and Engineering*, **2015**, 12, 272-280 | 4.9 | 78 |
| 44 | Stability analysis of reset positive systems with discrete-time triggering conditions. *Applied Mathematics Letters*, **2015**, 39, 80-84 | 3.5 | 9 |
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