

# Weihai Zhang

## List of Publications by Year in descending order

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226  
papers

5,183  
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117625

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h-index

106344

65  
g-index

229  
all docs

229  
docs citations

229  
times ranked

1665  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Stochastic $H_2/H_\infty$ Control With State-Dependent Noise. IEEE Transactions on Automatic Control, 2004, 49, 45-57.  | 5.7 | 367       |
| 2  | Robust $H_\infty$ filtering for nonlinear stochastic systems. IEEE Transactions on Signal Processing, 2005, 53, 589-598.  | 5.3 | 303       |
| 3  | State Feedback $H_\infty$ Control for a Class of Nonlinear Stochastic Systems. SIAM Journal on Control and Optimization, 2006, 44, 1973-1991.   | 2.1 | 264       |
| 4  | On stabilizability and exact observability of stochastic systems with their applications. Automatica, 2004, 40, 87-94.  | 5.0 | 224       |
| 5  | Finite-Time Stability and Stabilization of Itô Stochastic Systems With Markovian Switching: Mode-Dependent Parameter Approach. IEEE Transactions on Automatic Control, 2015, 60, 2428-2433.           | 5.7 | 156       |
| 6  | Generalized Lyapunov Equation Approach to State-Dependent Stochastic Stabilization/Detectability Criterion. IEEE Transactions on Automatic Control, 2008, 53, 1630-1642.                              | 5.7 | 154       |
| 7  | Some remarks on stability of stochastic singular systems with state-dependent noise. Automatica, 2015, 51, 273-277.   | 5.0 | 130       |
| 8  | Stochastic $H_2/H_\infty$ control for nonlinear systems with uncertain parameters based on the command filters. International Journal of Adaptive Control and Signal Processing, 2021, 35, 1754-1767. | 5.0 | 117       |
| 9  | Finite-time adaptive control for nonlinear systems with uncertain parameters based on the command filters. International Journal of Adaptive Control and Signal Processing, 2021, 35, 1754-1767.      | 4.1 | 101       |
| 10 | $\mathcal{H}_2$ -Representation and Applications to Generalized Lyapunov Equations and Linear Stochastic Systems. IEEE Transactions on Automatic Control, 2012, 57, 3009-3022.                        | 5.7 | 95        |
| 11 | Finite-time Stability and Stabilization of Linear Itô Stochastic Systems with State and Control-Dependent Noise. Asian Journal of Control, 2013, 15, 270-281.   | 3.0 | 95        |
| 12 | Infinite horizon $H_2/H_\infty$ control for stochastic systems with Markovian jumps. Automatica, 2008, 44, 857-863.   | 5.0 | 92        |
| 13 | Relationship Between Nash Equilibrium Strategies and $H_2/H_\infty$ Control of Stochastic Markov Jump Systems With Multiplicative Noise. IEEE Transactions on Automatic Control, 2014, 59, 2592-2597. | 5.7 | 92        |
| 14 | Infinite horizon stochastic $H_2/H_\infty$ control for discrete-time systems with state and disturbance dependent noise. Automatica, 2008, 44, 2306-2316.   | 5.0 | 90        |
| 15 | Stochastic Maximum Principle for Mean-Field Type Optimal Control Under Partial Information. IEEE Transactions on Automatic Control, 2014, 59, 522-528.  | 5.7 | 86        |
| 16 | Stochastic linear quadratic optimal control with constraint for discrete-time systems. Applied Mathematics and Computation, 2014, 228, 264-270.   | 2.2 | 76        |
| 17 | Stochastic $H_2/H_\infty$ control for discrete-time stochastic systems. Asian Journal of Control, 2008, 10, 608-615.  | 5.0 | 75        |
| 18 | Infinite horizon linear quadratic optimal control for discrete-time stochastic systems. Asian Journal of Control, 2008, 10, 608-615.  | 3.0 | 73        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Finite Horizon $H_2/H_\infty$ Control for Discrete-Time Stochastic Systems With Markovian Jumps and Multiplicative Noise. IEEE Transactions on Automatic Control, 2010, 55, 1185-1191. A unified design for state and output feedback | 5.7 | 72        |
| 20 | LaSalle-Type Theorem and Its Applications to Infinite Horizon Optimal Control of Discrete-Time Nonlinear Stochastic Systems. IEEE Transactions on Automatic Control, 2017, 62, 250-261.   | 5.0 | 69        |
| 21 | Infinite horizon control for discrete-time time-varying Markov jump systems with multiplicative noise. Automatica, 2012, 48, 1447-1454.   | 5.7 | 68        |
| 22 | Global Adaptive Stabilization and Tracking Control for High-Order Stochastic Nonlinear Systems With Time-Varying Delays. IEEE Transactions on Automatic Control, 2018, 63, 2928-2943.   | 5.7 | 64        |
| 23 | An Open-Loop Stackelberg Strategy for the Linear Quadratic Mean-Field Stochastic Differential Game. IEEE Transactions on Automatic Control, 2019, 64, 97-110.   | 5.7 | 63        |
| 24 | Finite-time guaranteed cost control for Itô Stochastic Markovian jump systems with incomplete transition rates. International Journal of Robust and Nonlinear Control, 2017, 27, 66-83.   | 3.7 | 62        |
| 25 | Interval Stability and Stabilization of Linear Stochastic Systems. IEEE Transactions on Automatic Control, 2009, 54, 810-815.   | 5.7 | 60        |
| 26 | Observer-based controller design for singular stochastic Markov jump systems with state dependent noise. Journal of Systems Science and Complexity, 2016, 29, 946-958.  | 2.8 | 59        |
| 27 | Nonlinear Stochastic $H_2/H_\infty$ Control with $(x,u,v)$ -Dependent Noise: Infinite Horizon Case. IEEE Transactions on Automatic Control, 2008, 53, 1323-1328.  | 5.7 | 49        |
| 28 | Stabilization of interconnected nonlinear stochastic Markovian jump systems via dissipativity approach. Automatica, 2011, 47, 2796-2800.  | 5.0 | 45        |
| 29 | New results on stability of singular stochastic Markov jump systems with state-dependent noise. International Journal of Robust and Nonlinear Control, 2016, 26, 2169-2186.   | 3.7 | 45        |
| 30 | A Maximum Principle for Optimal Control of Discrete-Time Stochastic Systems With Multiplicative Noise. IEEE Transactions on Automatic Control, 2015, 60, 1121-1126.   | 5.7 | 42        |
| 31 | Multiobjective Investment Policy for a Nonlinear Stochastic Financial System: A Fuzzy Approach. IEEE Transactions on Fuzzy Systems, 2017, 25, 460-474.  | 9.8 | 39        |
| 32 | Global stabilization for a class of stochastic nonlinear systems with SISS-like conditions and time delay. International Journal of Robust and Nonlinear Control, 2018, 28, 3909-3926.  | 3.7 | 39        |
| 33 | Some Remarks on General Nonlinear Stochastic $H_\infty$ Control With State, Control, and Disturbance-Dependent Noise. IEEE Transactions on Automatic Control, 2014, 59, 237-242.  | 5.7 | 36        |
| 34 | State and output feedback finite-time guaranteed cost control of linear Itô stochastic systems. Journal of Systems Science and Complexity, 2015, 28, 813-829.   | 2.8 | 33        |
| 35 | Adaptive Fuzzy Control of Stochastic Nonlinear Systems With Fuzzy Dead Zones and Unmodeled Dynamics. IEEE Transactions on Cybernetics, 2020, 50, 587-599.   | 9.5 | 33        |



| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 55 | Extended dissipative analysis and synthesis for network control systems with an event-triggered scheme. <i>Neurocomputing</i> , 2018, 312, 34-40.  | 5.9 | 23        |
| 56 | Fuzzy adaptive control of nonlinear MIMO systems with unknown dead zone outputs. <i>Journal of the Franklin Institute</i> , 2018, 355, 5690-5720.  | 3.4 | 23        |
| 57 | Multiobjective $H_2/H_\infty$ Control Design of the Nonlinear Mean-Field Stochastic Jump-Diffusion Systems via Fuzzy Approach. <i>IEEE Transactions on Fuzzy Systems</i> , 2019, 27, 686-700.                  | 9.8 | 23        |
| 58 | $H_\infty$ Control for Continuous-Time Mean-Field Stochastic Systems. <i>Asian Journal of Control</i> , 2016, 18, 1630-1640.   | 3.0 | 22        |
| 59 | Necessary/sufficient conditions for Pareto optimum in cooperative difference game. <i>Optimal Control Applications and Methods</i> , 2018, 39, 1043-1060.  | 2.1 | 22        |
| 60 | A combined backstepping and dynamic surface control to adaptive fuzzy state-feedback control. <i>International Journal of Adaptive Control and Signal Processing</i> , 2017, 31, 1666-1685.                    | 4.1 | 22        |
| 61 | Quantitative exponential stability and stabilisation of discrete-time Markov jump systems with multiplicative noises. <i>IET Control Theory and Applications</i> , 2017, 11, 2886-2892.                        | 2.1 | 22        |
| 62 | Infinite horizon $H_2/H_\infty$ optimal control for discrete-time Markov jump systems with ()  | 1.8 | 20        |
| 63 | Regional pole placement of wind turbine generator system via a Markovian approach. <i>IET Control Theory and Applications</i> , 2016, 10, 1771-1781.   | 2.1 | 20        |
| 64 | Detectability, observability and Lyapunov-type theorems of linear discrete time-varying stochastic systems with multiplicative noise. <i>International Journal of Control</i> , 2017, 90, 2490-2507.           | 1.9 | 20        |
| 65 | Adaptive tracking control for a class of random pure-feedback nonlinear systems with Markovian switching. <i>International Journal of Robust and Nonlinear Control</i> , 2018, 28, 3112-3126.                  | 3.7 | 20        |
| 66 | Stability of Nonlinear Stochastic Discrete-Time Systems. <i>Journal of Applied Mathematics</i> , 2013, 2013, 1-8.  | 0.9 | 19        |
| 67 | Fuzzy adaptive control for SISO nonlinear uncertain systems based on backstepping and small-gain approach. <i>Neurocomputing</i> , 2017, 238, 212-226.   | 5.9 | 18        |
| 68 | $H_\infty$ control for nonlinear stochastic Markov systems with time-delay and multiplicative noise. <i>Journal of Systems Science and Complexity</i> , 2017, 30, 1293-1315.                                   | 2.8 | 18        |
| 69 | State feedback control for stochastic Markovian jump delay systems based on LaSalle-type theorem. <i>Journal of the Franklin Institute</i> , 2018, 355, 2179-2196.   | 3.4 | 18        |
| 70 | Adaptive Fuzzy Tracking Control for a Class of Nonstrict-Feedback Stochastic Nonlinear Systems With Actuator Faults. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020, 50, 3456-3469. | 9.3 | 18        |
| 71 | New noise-state stability and instability criteria for random nonlinear systems. <i>International Journal of Robust and Nonlinear Control</i> , 2020, 30, 526-537.   | 3.7 | 18        |
| 72 | Asynchronous $H_\infty$ control for uncertain singular stochastic Markov jump systems with multiplicative noise based on hidden Markov mode. <i>Journal of the Franklin Institute</i> , 2020, 357, 5226-5247.  | 3.4 | 18        |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 73 | Finite-time consensus for the second-order leader-following nonlinear multi-agent system with event-triggered communication. <i>Journal of the Franklin Institute</i> , 2022, 359, 6486-6502.                    | 3.4  | 18        |
| 74 | Pareto optimal strategy for linear stochastic systems with $H^\infty$ constraint in finite horizon. <i>Information Sciences</i> , 2020, 512, 1103-1117.  | 6.9  | 17        |
| 75 | Boundary Stabilization of Stochastic Delayed Cohen-Grossberg Neural Networks With Diffusion Terms. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022, 33, 3227-3237.                       | 11.3 | 17        |
| 76 | Indefinite Mean-Field Stochastic Cooperative Linear-Quadratic Dynamic Difference Game With Its Application to the Network Security Model. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 11805-11818.       | 9.5  | 17        |
| 77 | Universal adaptive control strategies for stochastic nonlinear time-delay systems with odd rational powers. <i>Automatica</i> , 2021, 125, 109419.   | 5.0  | 17        |
| 78 | A game-based control design for discrete-time Markov jump systems with multiplicative noise. <i>IET Control Theory and Applications</i> , 2013, 7, 773-783.  | 2.1  | 16        |
| 79 | Stability and stabilization of nonlinear discrete-time stochastic systems. <i>International Journal of Robust and Nonlinear Control</i> , 2019, 29, 6419-6437.   | 3.7  | 16        |
| 80 | Finite-Time Stability and Stabilization of Itô-Type Stochastic Singular Systems. <i>Abstract and Applied Analysis</i> , 2014, 2014, 1-10.  | 0.7  | 15        |
| 81 | A unified framework for asymptotic and transient behavior of linear stochastic systems. <i>Applied Mathematics and Computation</i> , 2018, 325, 31-40.   | 2.2  | 15        |
| 82 | Normalisation design for delayed singular Markovian jump systems based on system transformation technique. <i>International Journal of Systems Science</i> , 2018, 49, 1603-1614.                                | 5.5  | 15        |
| 83 | Finite-time prescribed performance adaptive fuzzy fault-tolerant control for nonstrict-feedback nonlinear systems. <i>International Journal of Adaptive Control and Signal Processing</i> , 2019, 33, 1407-1424. | 4.1  | 15        |
| 84 | Command-Filter-Based Adaptive Fuzzy Finite-Time Output Feedback Control for State-Constrained Nonlinear Systems With Input Saturation. <i>IEEE Transactions on Fuzzy Systems</i> , 2022, 30, 4044-4056.          | 9.8  | 15        |
| 85 | Finite horizon $H_2$ / $H^\infty$ control of time-varying stochastic systems with Markov jumps and $(x, u, v)$ -dependent noise. <i>IET Control Theory and Applications</i> , 2014, 8, 1354-1363.                | 2.1  | 14        |
| 86 | Adaptive fuzzy control of MIMO nonstrict-feedback nonlinear systems with fuzzy dead zones and time delays. <i>Nonlinear Dynamics</i> , 2019, 95, 1565-1583.  | 5.2  | 14        |
| 87 | Mean square finite-time boundary stabilisation and $H^\infty$ boundary control for stochastic reaction-diffusion systems. <i>International Journal of Systems Science</i> , 2019, 50, 1388-1398.                 | 5.5  | 13        |
| 88 | Intermittent boundary stabilization of stochastic reaction-diffusion Cohen-Grossberg neural networks. <i>Neural Networks</i> , 2020, 131, 1-13.  | 5.9  | 13        |
| 89 | Robust State/Fault Estimation and Fault-Tolerant Control in Discrete-Time S Fuzzy Systems: An Embedded Smoothing Signal Model Approach. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 6886-6900.           | 9.5  | 13        |
| 90 | Robust Stochastic Stability and Control for Uncertain Singular Markovian Jump Systems with Multiplicative Noise. <i>Asian Journal of Control</i> , 2017, 19, 1891-1904.  | 3.0  | 12        |

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|-----|--|-----|-----------|
| 91  | Adaptive fuzzy FTC design of nonlinear stochastic systems with actuator faults and unmodeled dynamics. <i>International Journal of Adaptive Control and Signal Processing</i> , 2018, 32, 1081-1101.                       | 4.1 | 12        |
| 92  | Finite-time annular domain stability and stabilization for stochastic Markovian switching systems driven by Wiener and Poisson noises. <i>International Journal of Robust and Nonlinear Control</i> , 2021, 31, 2290-2304. | 3.7 | 12        |
| 93  | Infinite horizon linear quadratic differential games for discrete-time stochastic systems. <i>Journal of Control Theory and Applications</i> , 2012, 10, 391-396.  | 0.8 | 11        |
| 94  | Adaptive tracking control for a class of stochastic switched systems with stochastic input-to-state stable inverse dynamics and input saturation. <i>Systems and Control Letters</i> , 2019, 134, 104555.                  | 2.3 | 11        |
| 95  | Mixed $H_2 / H_\infty$ control of time-varying stochastic discrete-time systems under uniform detectability. <i>IET Control Theory and Applications</i> , 2014, 8, 1866-1874.  | 2.1 | 10        |
| 96  | Multicriteria Dynamic Optimization of Cooperative Difference Games in Infinite Horizon. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 6669-6680.  | 9.3 | 10        |
| 97  | $H_\infty$ Filtering for General Delayed Nonlinear Stochastic Systems with Markov Jumps. <i>International Journal of Fuzzy Systems</i> , 2017, 19, 1989-2002.  | 4.0 | 9         |
| 98  | Global stabilisation for a class of upper-triangular nonlinear systems with unmodelled dynamics and time-delay. <i>International Journal of Control</i> , 2020, 93, 1147-1158.   | 1.9 | 9         |
| 99  | Stability criteria of random delay differential systems subject to random impulses. <i>International Journal of Robust and Nonlinear Control</i> , 2021, 31, 6681-6698.  | 3.7 | 9         |
| 100 | Finite-time adaptive switched gain control for non-strict feedback nonlinear systems via nonlinear command filter. <i>Nonlinear Dynamics</i> , 2020, 100, 3485-3496.   | 5.2 | 9         |
| 101 | Multicriteria optimization problems of finite horizon stochastic cooperative linear-quadratic difference games. <i>Science China Information Sciences</i> , 2022, 65, .  | 4.3 | 9         |
| 102 | Robust $H_\infty$ Filtering for General Nonlinear Stochastic State-Delayed Systems. <i>Mathematical Problems in Engineering</i> , 2012, 2012, 1-15.  | 1.1 | 8         |
| 103 | Positive Solutions for Boundary Value Problems of Singular Fractional Differential Equations. <i>Abstract and Applied Analysis</i> , 2013, 2013, 1-7.  | 0.7 | 8         |
| 104 | Spectral characterisation for stability and stabilisation of linear stochastic systems with Markovian switching and its applications. <i>IET Control Theory and Applications</i> , 2013, 7, 730-737.                       | 2.1 | 8         |
| 105 | Study on Indefinite Stochastic Linear Quadratic Optimal Control with Inequality Constraint. <i>Journal of Applied Mathematics</i> , 2013, 2013, 1-9.   | 0.9 | 8         |
| 106 | On the System Entropy and Energy Dissipativity of Stochastic Systems and Their Application in Biological Systems. <i>Complexity</i> , 2018, 2018, 1-18.  | 1.6 | 8         |
| 107 | Adaptive fuzzy control of MIMO nonlinear systems with fuzzy dead zones. <i>Applied Soft Computing Journal</i> , 2019, 80, 700-711.   | 7.2 | 8         |
| 108 | Study on stability and stabilizability of discrete-time mean-field stochastic systems. <i>Journal of the Franklin Institute</i> , 2019, 356, 2153-2171.  | 3.4 | 8         |

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|-----|--|-----|-----------|
| 109 | Multiobjective Optimization Control for Uncertain Nonlinear Stochastic System with State-Delay. International Journal of Fuzzy Systems, 2019, 21, 72-83.   | 4.0 | 8         |
| 110 | Pareto-Optimal Strategy for Linear Mean-Field Stochastic Systems With $H^{\infty}$ Constraint. IEEE Transactions on Cybernetics, 2022, 52, 2846-2859.  | 9.5 | 8         |
| 111 | $p$ th Moment Asymptotic Stability/Stabilization and $p$ th Moment Observability of Linear Stochastic Systems: Generalized $\hat{a}, \hat{c}$ -Representation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 1078-1086. | 9.3 | 8         |
| 112 | Stabilization of random nonlinear systems subject to deception attacks. International Journal of Robust and Nonlinear Control, 2022, 32, 2233-2250.  | 3.7 | 8         |
| 113 | Discrete-Time Indefinite Stochastic LQ Control via SDP and LMI Methods. Journal of Applied Mathematics, 2012, 2012, 1-14.  | 0.9 | 7         |
| 114 | Feedback control on Nash equilibrium for discrete-time stochastic systems with Markovian jumps: Finite-horizon case. International Journal of Control, Automation and Systems, 2012, 10, 940-946.  | 2.7 | 7         |
| 115 | A geometric approach to $H^{\infty}$ control of nonlinear Markovian jump systems. International Journal of Control, 2014, 87, 1833-1845.   | 1.9 | 7         |
| 116 | Adaptive fuzzy control for pure-feedback stochastic nonlinear systems with unknown dead zone outputs. International Journal of Systems Science, 2018, 49, 2981-2995.   | 5.5 | 7         |
| 117 | Robust $H^{\infty}$ control for a class of quasi-linear uncertain stochastic time-varying delayed systems. Asian Journal of Control, 2020, 22, 1755-1766.  | 3.0 | 7         |
| 118 | Multiobjective control for nonlinear stochastic Poisson jump-diffusion systems via T-S fuzzy interpolation and Pareto optimal scheme. Fuzzy Sets and Systems, 2020, 385, 148-168.  | 2.7 | 7         |
| 119 | Reverse-Order Multi-Objective Evolution Algorithm for Multi-Objective Observer-Based Fault-Tolerant Control of T-S Fuzzy Systems. IEEE Access, 2021, 9, 1556-1574.   | 4.2 | 7         |
| 120 | Finite-Time Tracking Control for a Class of MIMO Nonstrict-Feedback Nonlinear Systems Via Adaptive Fuzzy Method. International Journal of Fuzzy Systems, 2022, 24, 713-727.  | 4.0 | 7         |
| 121 | Finite-time adaptive fuzzy control for a class of output constrained nonlinear systems with dead zone. International Journal of Adaptive Control and Signal Processing, 2022, 36, 69-87.   | 4.1 | 7         |
| 122 | Finite-time stability and asynchronous resilient control for $\hat{A}$ stochastic semi-Markovian jump systems. Journal of the Franklin Institute, 2022, 359, 1531-1557.  | 3.4 | 7         |
| 123 | Properties of storage functions and applications to nonlinear stochastic $H^{\infty}$ control. Journal of Systems Science and Complexity, 2011, 24, 850-861.   | 2.8 | 6         |
| 124 | <i>H</i> -Index for Linear Time-Varying Markov Jump Stochastic Systems and Its Application to Fault Detection. IEEE Access, 2019, 7, 23698-23712.  | 4.2 | 6         |
| 125 | Observer-Based Adaptive Fuzzy Fault-Tolerant Control for Nonlinear Systems Using Small-Gain Approach. International Journal of Fuzzy Systems, 2019, 21, 685-699.   | 4.0 | 6         |
| 126 | Study on stability in probability of general discrete-time stochastic systems. Science China Information Sciences, 2020, 63, 1.  | 4.3 | 6         |



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|-----|--|-----|-----------|
| 127 | pth moment exponential stability of general nonlinear discrete-time stochastic systems. Science China Information Sciences, 2021, 64, 1.   | 4.3 | 6         |
| 128 | Pareto efficiency in the infinite horizon mean-field type cooperative stochastic differential game. Journal of the Franklin Institute, 2021, 358, 5532-5551.   | 3.4 | 6         |
| 129 | Suboptimal stochastic H-two/H-infinity design with spectrum constraint. Journal of Control Theory and Applications, 2008, 6, 317-321.  | 0.8 | 5         |
| 130 | Discrete-Time Indefinite Stochastic Linear Quadratic Optimal Control with Second Moment Constraints. Mathematical Problems in Engineering, 2014, 2014, 1-9.  | 1.1 | 5         |
| 131 | Robust $H_2/H_\infty$ control for periodic stochastic difference systems with multiplicative noise. IET Control Theory and Applications, 2015, 9, 2451-2457.   | 2.1 | 5         |
| 132 | Infinite horizon indefinite stochastic linear quadratic control for discrete-time systems. Control Theory and Technology, 2015, 13, 230-237.   | 1.6 | 5         |
| 133 | New Approach to General Nonlinear Discrete-Time Stochastic $H_\infty$ Control. IEEE Transactions on Automatic Control, 2019, 64, 1472-1486.  | 5.7 | 5         |
| 134 | Weighted $H_\infty$ Performance Analysis of Nonlinear Stochastic Switched Systems: A Mode-Dependent Average Dwell Time Method. International Journal of Fuzzy Systems, 2020, 22, 1454-1467.  | 4.0 | 5         |
| 135 | Modeling and parameter identification of microbial batch fermentation under environmental disturbances. Applied Mathematical Modelling, 2022, 108, 205-219.  | 4.2 | 5         |
| 136 | Observer-based adaptive neural quantized control for nonlinear systems with asymmetric fuzzy dead zones and unknown control directions. Nonlinear Dynamics, 2022, 108, 3643-3656.  | 5.2 | 5         |
| 137 | General D-stability and D-stabilization for linear stochastic systems: Continuous-time case. , 2010, , .   |     | 4         |
| 138 | Robust $H_2/H_\infty$ Filter Design for a Class of Nonlinear Stochastic Systems with State-Dependent Noise. Mathematical Problems in Engineering, 2012, 2012, 1-16.  | 1.1 | 4         |
| 139 | Mixed $H_2/H_\infty$ control for linear infinite-dimensional systems. International Journal of Control, Automation and Systems, 2016, 14, 128-139.   | 2.7 | 4         |
| 140 | Stochastic Systems and Control: Theory and Applications. Mathematical Problems in Engineering, 2017, 2017, 1-4.  | 1.1 | 4         |
| 141 | $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle H \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \hat{\alpha} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle$<br>Robust Tracking Control of Stochastic T-S Fuzzy Systems with Poisson Jumps. Mathematical Problems in Engineering, 2018, 2018, 1-14. | 1.1 | 4         |
| 142 | Stability analysis of time-varying discrete stochastic systems with multiplicative noise and state delays. Journal of the Franklin Institute, 2018, 355, 6638-6656.  | 3.4 | 4         |
| 143 | Further stability results for random nonlinear systems with stochastic impulses. Journal of the Franklin Institute, 2021, 358, 5426-5450.  | 3.4 | 4         |
| 144 | Infinite horizon multiobjective optimal control of stochastic cooperative linear-quadratic dynamic difference games. Journal of the Franklin Institute, 2021, 358, 8288-8307.  | 3.4 | 4         |

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|-----|--|-----|-----------|
| 145 | H <sub>∞</sub> output feedback control for descriptor systems with delayed-state. , 0, , .   |     | 3         |
| 146 | Decentralized H <sub>∞</sub> & #x221E; & #x221E; fusion filter design in multi-sensor fusion system. , 2008, , .   |     | 3         |
| 147 | Stability and stabilization of stochastic systems with multiplicative noise. International Journal of Control, Automation and Systems, 2011, 9, 211-217.   | 2.7 | 3         |
| 148 | Critical stability and stabilization of discrete-time stochastic systems and its applications. International Journal of Control, Automation and Systems, 2011, 9, 1028-1036.   | 2.7 | 3         |
| 149 | On uniform detectability of discrete-time stochastic systems subject to multiplicative noise. , 2013, , .  |     | 3         |
| 150 | The Output Feedback $H_{\infty}$ Control Design for the Linear Stochastic System Driven by Both Brownian Motion and Poisson Jumps: A Nonlinear Matrix Inequality Approach. Asian Journal of Control, 2013, 15, 1139-1148.                      | 3.0 | 3         |
| 151 | The LaSalle theorem for the stochastic difference equations. , 2014, , .   |     | 3         |
| 152 | Robust Stability, Stabilization, and $H_{\infty}$ Control Design for the Linear Stochastic System Driven by Both Brownian Motion and Poisson Jumps: A Nonlinear Matrix Inequality Approach. Asian Journal of Control, 2013, 15, 1139-1148.     | 1.1 | 3         |
| 153 | Robust Quadratic Stabilizability and $H_{\infty}$ Control of Uncertain Linear Discrete-Time Stochastic Systems with State Delay. Mathematical Problems in Engineering, 2016, 2016, 1-11.   | 1.1 | 3         |
| 154 | Linear feedback synchronization and anti-synchronization of a class of fractional-order chaotic systems based on triangular structure. European Physical Journal Plus, 2019, 134, 1.   | 2.6 | 3         |
| 155 | Backstepping stabilization of fractional-order triangular system with applications to chaotic systems. Asian Journal of Control, 2021, 23, 143-154.  | 3.0 | 3         |
| 156 | Fault detection filtering for Itô-type affine nonlinear stochastic systems. Asian Journal of Control, 2021, 23, 620-635.   | 3.0 | 3         |
| 157 | Improved noise-state stability criteria of random nonlinear systems with stochastic impulses. IET Control Theory and Applications, 2021, 15, 96-109.   | 2.1 | 3         |
| 158 | Adaptive quantized tracking control for a class of uncertain nonlinear systems. International Journal of Adaptive Control and Signal Processing, 0, , .  | 4.1 | 3         |
| 159 | A kernel-based identification approach for a class of nonlinear systems with quantized output data. , 2022, 128, 103595.   |     | 3         |
| 160 | Adaptive fixed-time fuzzy control for output constrained nonlinear systems with unknown virtual control coefficients based on event-triggered mechanism. International Journal of Adaptive Control and Signal Processing, 2022, 36, 2496-2518. | 4.1 | 3         |
| 161 | Some properties of generalized Lyapunov equations. , 2011, , .   |     | 2         |
| 162 | Some properties of exact observability of linear stochastic systems and their applications. Asian Journal of Control, 2012, 14, 868-873.   | 3.0 | 2         |

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|-----|--|-----|-----------|
| 163 | Passivity and feedback design of nonlinear Markovian jump systems. , 2013, , .   |     | 2         |
| 164 | A Nash game approach to stochastic $H_2/H_\infty$ control: Overview and further research topics. , 2015, , .   |     | 2         |
| 165 | Mathematical Theories and Applications for Nonlinear Control Systems. Mathematical Problems in Engineering, 2019, 2019, 1-6.   | 1.1 | 2         |
| 166 | Study on Consensus of the Forth-Order Discrete-Time Multiagent System in Directed Networks. IEEE Access, 2020, 8, 11658-11668.   | 4.2 | 2         |
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