# Weihai Zhang

## List of Publications by Citations

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|---|---|---|---|
| **181** papers | **3,445** citations | **31** h-index | **53** g-index |
| **229** ext. papers | **4,451** ext. citations | **3.3** avg, IF | **6.21** L-index |

| # | Paper | IF | Citations |
|---|-------|-----|-----------|
| 181 | Stochastic H/sub 2//H/sub /spl infin// control with state-dependent noise. *IEEE Transactions on Automatic Control*, **2004**, 49, 45-57 | 5.9 | 260 |
| 180 | Robust H/sub /spl infin// filtering for nonlinear stochastic systems. *IEEE Transactions on Signal Processing*, **2005**, 53, 589-598 | 4.8 | 220 |
| 179 | State Feedback $H_infty$ Control for a Class of Nonlinear Stochastic Systems. *SIAM Journal on Control and Optimization*, **2006**, 44, 1973-1991 | 1.9 | 201 |
| 178 | On stabilizability and exact observability of stochastic systems with their applications. *Automatica*, **2004**, 40, 87-94 | 5.7 | 149 |
| 177 | Finite-Time Stability and Stabilization of Itō Stochastic Systems With Markovian Switching: Mode-Dependent Parameter Approach. *IEEE Transactions on Automatic Control*, **2015**, 60, 2428-2433 | 5.9 | 115 |
| 176 | Generalized Lyapunov Equation Approach to State-Dependent Stochastic Stabilization/Detectability Criterion. *IEEE Transactions on Automatic Control*, **2008**, 53, 1630-1642 | 5.9 | 109 |
| 175 | Some remarks on stability of stochastic singular systems with state-dependent noise. *Automatica*, **2015**, 51, 273-277 | 5.7 | 94 |
| 174 | Stochastic . *Automatica*, **2007**, 43, 513-521 | 5.7 | 83 |
| 173 | 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 | 5.9 | 79 |
| 172 | Stochastic linear quadratic optimal control with constraint for discrete-time systems. *Applied Mathematics and Computation*, **2014**, 228, 264-270 | 2.7 | 69 |
| 171 | Infinite horizon stochastic . *Automatica*, **2008**, 44, 2306-2316 | 5.7 | 68 |
| 170 | Stochastic Maximum Principle for Mean-Field Type Optimal Control Under Partial Information. *IEEE Transactions on Automatic Control*, **2014**, 59, 522-528 | 5.9 | 67 |
| 169 | Infinite horizon . *Automatica*, **2008**, 44, 857-863 | 5.7 | 66 |
| 168 | Finite-Time Stability and Stabilization of Linear Itō Stochastic Systems with State and Control-Dependent Noise. *Asian Journal of Control*, **2013**, 15, 270-281 | 1.7 | 65 |
| 167 | ${cal H}$-Representation and Applications to Generalized Lyapunov Equations and Linear Stochastic Systems. *IEEE Transactions on Automatic Control*, **2012**, 57, 3009-3022 | 5.9 | 60 |
| 166 | A unified design for state and output feedback . *Automatica*, **2009**, 45, 2955-2962 | 5.7 | 59 |
| 165 | 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 | 5.9 | 56 |

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| 164 | 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 | 3.6 | 56 |
| 163 | Observer-based controller design for singular stochastic Markov jump systems with state dependent noise. *Journal of Systems Science and Complexity*, **2016**, 29, 946-958 | 1 | 56 |
| 162 | Infinite horizon linear quadratic optimal control for discrete-time stochastic systems. *Asian Journal of Control*, **2008**, 10, 608-615 | 1.7 | 54 |
| 161 | Stochastic H2/H∞ control with (x,u,v)-dependent noise: Finite horizon case. *Automatica*, **2006**, 42, 1891-1898 | 5.7 | 51 |
| 160 | Infinite horizon H2/H∞ control for discrete-time time-varying Markov jump systems with multiplicative noise. *Automatica*, **2012**, 48, 1447-1454 | 5.7 | 47 |
| 159 | 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 | 5.9 | 45 |
| 158 | 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 | 5.9 | 41 |
| 157 | Stochastic H2/H∞ Control **2017**, | | 41 |
| 156 | Stabilization of interconnected nonlinear stochastic Markovian jump systems via dissipativity approach. *Automatica*, **2011**, 47, 2796-2800 | 5.7 | 34 |
| 155 | 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 | 5.9 | 34 |
| 154 | Interval Stability and Stabilization of Linear Stochastic Systems. *IEEE Transactions on Automatic Control*, **2009**, 54, 810-815 | 5.9 | 32 |
| 153 | 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 | 3.6 | 32 |
| 152 | An Open-Loop Stackelberg Strategy for the Linear Quadratic Mean-Field Stochastic Differential Game. *IEEE Transactions on Automatic Control*, **2019**, 64, 97-110 | 5.9 | 32 |
| 151 | On observability and detectability of continuous-time stochastic Markov jump systems. *Journal of Systems Science and Complexity*, **2015**, 28, 830-847 | 1 | 31 |
| 150 | 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 | 3.6 | 30 |
| 149 | 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 | 5.9 | 30 |
| 148 | State and output feedback finite-time guaranteed cost control of linear itô stochastic systems. *Journal of Systems Science and Complexity*, **2015**, 28, 813-829 | 1 | 27 |
| 147 | Dissipative control for Markov jump non-linear stochastic systems based on T-S fuzzy model. *International Journal of Systems Science*, **2014**, 45, 1213-1224 | 2.3 | 27 |

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| 146 | Multiobjective Investment Policy for a Nonlinear Stochastic Financial System: A Fuzzy Approach. *IEEE Transactions on Fuzzy Systems*, **2017**, 25, 460-474 | 8.3 | 24 |
| 145 | On the observability and detectability of linear stochastic systems with Markov jumps and multiplicative noise. *Journal of Systems Science and Complexity*, **2010**, 23, 102-115 | 1 | 22 |
| 144 | A Maximum Principle for Optimal Control of Discrete-Time Stochastic Systems With Multiplicative Noise. *IEEE Transactions on Automatic Control*, **2015**, 60, 1121-1126 | 5.9 | 21 |
| 143 | Necessary/sufficient conditions for Pareto optimum in cooperative difference game. *Optimal Control Applications and Methods*, **2018**, 39, 1043-1060 | 1.7 | 19 |
| 142 | Linear quadratic Pareto optimal control problem of stochastic singular systems. *Journal of the Franklin Institute*, **2017**, 354, 1220-1238 | 4 | 18 |
| 141 | Adaptive tracking control for a class of random pure-feedback nonlinear systems with Markovian switching. *International Journal of Robust and Nonlinear Control*, **2018**, 28, 3112-3126 | 3.6 | 18 |
| 140 | Pareto-based guaranteed cost control of the uncertain mean-field stochastic systems in infinite horizon. *Automatica*, **2018**, 92, 197-209 | 5.7 | 18 |
| 139 | Quantitative exponential stability and stabilisation of discrete-time Markov jump systems with multiplicative noises. *IET Control Theory and Applications*, **2017**, 11, 2886-2892 | 2.5 | 18 |
| 138 | Nonlinear stochastic passivity, feedback equivalence and global stabilization. *International Journal of Robust and Nonlinear Control*, **2012**, 22, 999-1018 | 3.6 | 17 |
| 137 | Fuzzy adaptive control for SISO nonlinear uncertain systems based on backstepping and small-gain approach. *Neurocomputing*, **2017**, 238, 212-226 | 5.4 | 16 |
| 136 | Global practical tracking for stochastic time-delay nonlinear systems with SISS-like inverse dynamics. *Science China Information Sciences*, **2017**, 60, 1 | 3.4 | 16 |
| 135 | Global output tracking control for high-order stochastic nonlinear systems with SISS inverse dynamics and time-varying delays. *Journal of the Franklin Institute*, **2016**, 353, 3249-3270 | 4 | 16 |
| 134 | Detectability, observability and Lyapunov-type theorems of linear discrete time-varying stochastic systems with multiplicative noise. *International Journal of Control*, **2017**, 90, 2490-2507 | 1.5 | 16 |
| 133 | Quadratic stabilizability and H∞ control of linear discrete-time stochastic uncertain systems. *Asian Journal of Control*, **2017**, 19, 35-46 | 1.7 | 16 |
| 132 | Study on general stability and stabilizability of linear discrete-time stochastic systems. *Asian Journal of Control*, **2011**, 13, 977-987 | 1.7 | 16 |
| 131 | Regional pole placement of wind turbine generator system via a Markovian approach. *IET Control Theory and Applications*, **2016**, 10, 1771-1781 | 2.5 | 16 |
| 130 | Adaptive Fuzzy Control of Stochastic Nonlinear Systems With Fuzzy Dead Zones and Unmodeled Dynamics. *IEEE Transactions on Cybernetics*, **2020**, 50, 587-599 | 10.2 | 16 |
| 129 | Discrete-time mean-field stochastic $H_2/H_\infty$ control. *Journal of Systems Science and Complexity*, **2017**, 30, 765-781 | 1 | 15 |

| 128 | Infinite horizon linear quadratic Pareto game of the stochastic singular systems. *Journal of the Franklin Institute*, **2018**, 355, 4436-4452 | 4 | 15 |
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| 127 | Fuzzy adaptive control of nonlinear MIMO systems with unknown dead zone outputs. *Journal of the Franklin Institute*, **2018**, 355, 5690-5720 | 4 | 15 |
| 126 | Finite horizon mean-field stochastic . *Journal of the Franklin Institute*, **2015**, 352, 5393-5414 | 4 | 14 |
| 125 | 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 | 2.8 | 14 |
| 124 | A combined backstepping and dynamic surface control to adaptive fuzzy state-feedback control. *International Journal of Adaptive Control and Signal Processing*, **2017**, 31, 1666-1685 | 2.8 | 14 |
| 123 | Finite-time stability and stabilization of linear discrete time-varying stochastic systems. *Journal of the Franklin Institute*, **2019**, 356, 1247-1267 | 4 | 13 |
| 122 | State feedback control for stochastic Markovian jump delay systems based on LaSalle-type theorem. *Journal of the Franklin Institute*, **2018**, 355, 2179-2196 | 4 | 13 |
| 121 | Multiobjective $H_{2}/H_{infty}$ Control Design of the Nonlinear Mean-Field Stochastic Jump-Diffusion Systems via Fuzzy Approach. *IEEE Transactions on Fuzzy Systems*, **2019**, 27, 686-700 | 8.3 | 13 |
| 120 | Stability of Nonlinear Stochastic Discrete-Time Systems. *Journal of Applied Mathematics*, **2013**, 2013, 1-8 | 1.1 | 13 |
| 119 | Extended dissipative analysis and synthesis for network control systems with an event-triggered scheme. *Neurocomputing*, **2018**, 312, 34-40 | 5.4 | 13 |
| 118 | Stability analysis of random nonlinear systems with time-varying delay and its application. *Automatica*, **2020**, 117, 108994 | 5.7 | 12 |
| 117 | A unified framework for asymptotic and transient behavior of linear stochastic systems. *Applied Mathematics and Computation*, **2018**, 325, 31-40 | 2.7 | 12 |
| 116 | Normalisation design for delayed singular Markovian jump systems based on system transformation technique. *International Journal of Systems Science*, **2018**, 49, 1603-1614 | 2.3 | 12 |
| 115 | Stability and stabilization of nonlinear discrete-time stochastic systems. *International Journal of Robust and Nonlinear Control*, **2019**, 29, 6419-6437 | 3.6 | 12 |
| 114 | Infinite horizon (H_2/H_infty ) optimal control for discrete-time Markov jump systems with ((x,u,v))-dependent noise. *Journal of Global Optimization*, **2013**, 57, 1245-1262 | 1.5 | 12 |
| 113 | H control for nonlinear stochastic Markov systems with time-delay and multiplicative noise. *Journal of Systems Science and Complexity*, **2017**, 30, 1293-1315 | 1 | 12 |
| 112 | Finite-Time Stability and Stabilization of Itô Type Stochastic Singular Systems. *Abstract and Applied Analysis*, **2014**, 2014, 1-10 | 0.7 | 12 |
| 111 | H Control for Continuous-Time Mean-Field Stochastic Systems. *Asian Journal of Control*, **2016**, 18, 1630-1640 | | 12 |

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| 110 | Finite horizon H2 /H∞ control of time-varying stochastic systems with Markov jumps and (x, u, v)-dependent noise. *IET Control Theory and Applications*, **2014**, 8, 1354-1363 | 2.5 | 11 |
| 109 | New noise-to-state stability and instability criteria for random nonlinear systems. *International Journal of Robust and Nonlinear Control*, **2020**, 30, 526-537 | 3.6 | 10 |
| 108 | Robust H∞ filtering for nonlinear discrete-time stochastic systems. *Automatica*, **2021**, 123, 109343 | 5.7 | 10 |
| 107 | Adaptive fuzzy FTC design of nonlinear stochastic systems with actuator faults and unmodeled dynamics. *International Journal of Adaptive Control and Signal Processing*, **2018**, 32, 1081-1101 | 2.8 | 10 |
| 106 | Necessary and sufficient conditions for Pareto optimality of the stochastic systems in finite horizon. *Automatica*, **2018**, 94, 341-348 | 5.7 | 10 |
| 105 | Finite-time prescribed performance adaptive fuzzy fault-tolerant control for nonstrict-feedback nonlinear systems. *International Journal of Adaptive Control and Signal Processing*, **2019**, 33, 1407-1424 | 2.8 | 9 |
| 104 | Mean square finite-time boundary stabilisation and H∞ boundary control for stochastic reaction-diffusion systems. *International Journal of Systems Science*, **2019**, 50, 1388-1398 | 2.3 | 8 |
| 103 | Asynchronous H∞ control for uncertain singular stochastic Markov jump systems with multiplicative noise based on hidden Markov mode. *Journal of the Franklin Institute*, **2020**, 357, 5226-5247 | 4 | 8 |
| 102 | Mixed H2 /H∞ control of time-varying stochastic discrete-time systems under uniform detectability. *IET Control Theory and Applications*, **2014**, 8, 1866-1874 | 2.5 | 8 |
| 101 | Study on Indefinite Stochastic Linear Quadratic Optimal Control with Inequality Constraint. *Journal of Applied Mathematics*, **2013**, 2013, 1-9 | 1.1 | 8 |
| 100 | Adaptive fuzzy control of MIMO nonstrict-feedback nonlinear systems with fuzzy dead zones and time delays. *Nonlinear Dynamics*, **2019**, 95, 1565-1583 | 5 | 8 |
| 99 | Pareto optimal strategy for linear stochastic systems with H∞ constraint in finite horizon. *Information Sciences*, **2020**, 512, 1103-1117 | 7.7 | 8 |
| 98 | H ∞ Filtering for General Delayed Nonlinear Stochastic Systems with Markov Jumps. *International Journal of Fuzzy Systems*, **2017**, 19, 1989-2002 | 3.6 | 7 |
| 97 | Robust Stochastic Stability and Control for Uncertain Singular Markovian Jump Systems with Multiplicative Noise. *Asian Journal of Control*, **2017**, 19, 1891-1904 | 1.7 | 7 |
| 96 | Adaptive tracking control for a class of stochastic switched systems with stochastic input-to-state stable inverse dynamics and input saturation. *Systems and Control Letters*, **2019**, 134, 104555 | 2.4 | 7 |
| 95 | Positive Solutions for Boundary Value Problems of Singular Fractional Differential Equations. *Abstract and Applied Analysis*, **2013**, 2013, 1-7 | 0.7 | 7 |
| 94 | Spectral characterisation for stability and stabilisation of linear stochastic systems with Markovian switching and its applications. *IET Control Theory and Applications*, **2013**, 7, 730-737 | 2.5 | 7 |
| 93 | Finite-time adaptive switched gain control for non-strict feedback nonlinear systems via nonlinear command filter. *Nonlinear Dynamics*, **2020**, 100, 3485-3496 | 5 | 7 |

| 92 | Adaptive fuzzy control for pure-feedback stochastic nonlinear systems with unknown dead zone outputs. *International Journal of Systems Science*, **2018**, 49, 2981-2995 | 2.3 | 7 |
|----|----|----|----|
| 91 | Study on stability and stabilizability of discrete-time mean-field stochastic systems. *Journal of the Franklin Institute*, **2019**, 356, 2153-2171 | 4 | 6 |
| 90 | A game-based control design for discrete-time Markov jump systems with multiplicative noise. *IET Control Theory and Applications*, **2013**, 7, 773-783 | 2.5 | 6 |
| 89 | Properties of storage functions and applications to nonlinear stochastic H control. *Journal of Systems Science and Complexity*, **2011**, 24, 850-861 | 1 | 6 |
| 88 | Discrete-Time Indefinite Stochastic LQ Control via SDP and LMI Methods. *Journal of Applied Mathematics*, **2012**, 2012, 1-14 | 1.1 | 6 |
| 87 | Universal adaptive control strategies for stochastic nonlinear time-delay systems with odd rational powers. *Automatica*, **2021**, 125, 109419 | 5.7 | 6 |
| 86 | Disturbance-observer-based finite-time adaptive fuzzy control for non-triangular switched nonlinear systems with input saturation. *Information Sciences*, **2021**, 561, 152-167 | 7.7 | 6 |
| 85 | Multiobjective Optimization Control for Uncertain Nonlinear Stochastic System with State-Delay. *International Journal of Fuzzy Systems*, **2019**, 21, 72-83 | 3.6 | 6 |
| 84 | Adaptive Fuzzy Tracking Control for a Class of Nonstrict-Feedback Stochastic Nonlinear Systems With Actuator Faults. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 50, 3456-3469 | 7.3 | 6 |
| 83 | On the System Entropy and Energy Dissipativity of Stochastic Systems and Their Application in Biological Systems. *Complexity*, **2018**, 2018, 1-18 | 1.6 | 6 |
| 82 | H_ Index for Linear Time-Varying Markov Jump Stochastic Systems and Its Application to Fault Detection. *IEEE Access*, **2019**, 7, 23698-23712 | 3.5 | 5 |
| 81 | Discrete-Time Indefinite Stochastic Linear Quadratic Optimal Control with Second Moment Constraints. *Mathematical Problems in Engineering*, **2014**, 2014, 1-9 | 1.1 | 5 |
| 80 | A geometric approach to H control of nonlinear Markovian jump systems. *International Journal of Control*, **2014**, 87, 1833-1845 | 1.5 | 5 |
| 79 | Infinite horizon linear quadratic differential games for discrete-time stochastic systems. *Journal of Control Theory and Applications*, **2012**, 10, 391-396 | | 5 |
| 78 | Robust H filtering for General Nonlinear Stochastic State-Delayed Systems. *Mathematical Problems in Engineering*, **2012**, 2012, 1-15 | 1.1 | 5 |
| 77 | Finite-time annular domain stability and stabilization for stochastic Markovian switching systems driven by Wiener and Poisson noises. *International Journal of Robust and Nonlinear Control*, **2021**, 31, 2290-2304 | 3.6 | 5 |
| 76 | Study on stability in probability of general discrete-time stochastic systems. *Science China Information Sciences*, **2020**, 63, 1 | 3.4 | 5 |
| 75 | Intermittent boundary stabilization of stochastic reaction-diffusion Cohen-Grossberg neural networks. *Neural Networks*, **2020**, 131, 1-13 | 9.1 | 5 |

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|---|---|---|---|
| 74 | pth Moment Asymptotic Stability/Stabilization and pth Moment Observability of Linear Stochastic Systems: Generalized H-Representation. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 1-9 | 7.3 | 5 |
| 73 | Global stabilisation for a class of upper-triangular nonlinear systems with unmodelled dynamics and time-delay. *International Journal of Control*, **2020**, 93, 1147-1158 | 1.5 | 5 |
| 72 | 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 | 3.7 | 5 |
| 71 | Adaptive fuzzy control of MIMO nonlinear systems with fuzzy dead zones. *Applied Soft Computing Journal*, **2019**, 80, 700-711 | 7.5 | 4 |
| 70 | Robust H2 /H∞control for periodic stochastic difference systems with mutiplicative noise. *IET Control Theory and Applications*, **2015**, 9, 2451-2457 | 2.5 | 4 |
| 69 | Multiobjective Dynamic Optimization of Cooperative Difference Games in Infinite Horizon. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 1-12 | 7.3 | 4 |
| 68 | New Approach to General Nonlinear Discrete-Time Stochastic $H_\infty$ Control. *IEEE Transactions on Automatic Control*, **2019**, 64, 1472-1486 | 5.9 | 4 |
| 67 | Suboptimal stochastic H-two/H-infinity design with spectrum constraint. *Journal of Control Theory and Applications*, **2008**, 6, 317-321 | | 4 |
| 66 | Infinite horizon indefinite stochastic linear quadratic control for discrete-time systems. *Control Theory and Technology*, **2015**, 13, 230-237 | 1 | 3 |
| 65 | 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 | 2.9 | 3 |
| 64 | The Output Feedback H∞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 | 1.7 | 3 |
| 63 | Stability and stabilization of stochastic systems with multiplicative noise. *International Journal of Control, Automation and Systems*, **2011**, 9, 211-217 | 2.9 | 3 |
| 62 | RobustH2/H∞Filter Design for a Class of Nonlinear Stochastic Systems with State-Dependent Noise. *Mathematical Problems in Engineering*, **2012**, 2012, 1-16 | 1.1 | 3 |
| 61 | Pareto-Optimal Strategy for Linear Mean-Field Stochastic Systems With H∞Constraint. *IEEE Transactions on Cybernetics*, **2020**, PP, | 10.2 | 3 |
| 60 | pth moment exponential stability of general nonlinear discrete-time stochastic systems. *Science China Information Sciences*, **2021**, 64, 1 | 3.4 | 3 |
| 59 | H∞Robust Tracking Control of Stochastic T-S Fuzzy Systems with Poisson Jumps. *Mathematical Problems in Engineering*, **2018**, 2018, 1-14 | 1.1 | 3 |
| 58 | Pareto efficiency in the infinite horizon mean-field type cooperative stochastic differential game. *Journal of the Franklin Institute*, **2021**, 358, 5532-5551 | 4 | 3 |
| 57 | Robust State/Fault Estimation and Fault-Tolerant Control in Discrete-Time T-S Fuzzy Systems: An Embedded Smoothing Signal Model Approach. *IEEE Transactions on Cybernetics*, **2021**, PP, | 10.2 | 3 |

| 56 | Stabilization of random nonlinear systems subject to deception attacks. *International Journal of Robust and Nonlinear Control*, **2022**, 32, 2233-2250 | 3.6 | 3 |
| 55 | Weighted (mathbf{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 | 3.6 | 2 |
| 54 | Stability analysis of time-varying discrete stochastic systems with multiplicative noise and state delays. *Journal of the Franklin Institute*, **2018**, 355, 6638-6656 | 4 | 2 |
| 53 | Mathematical Theories and Applications for Nonlinear Control Systems. *Mathematical Problems in Engineering*, **2019**, 2019, 1-6 | 1.1 | 2 |
| 52 | Passivity and feedback design of nonlinear Markovian jump systems **2013**, | | 2 |
| 51 | Stochastic Systems and Control: Theory and Applications. *Mathematical Problems in Engineering*, **2017**, 2017, 1-4 | 1.1 | 2 |
| 50 | Critical stability and stabilization of discrete-time stochastic systems and its applications. *International Journal of Control, Automation and Systems*, **2011**, 9, 1028-1036 | 2.9 | 2 |
| 49 | Some properties of generalized Lyapunov equations **2011**, | | 2 |
| 48 | Prescribed performance adaptive fuzzy control for nonstrict-feedback nonlinear systems with dead zone outputs. *International Journal of Adaptive Control and Signal Processing*, **2021**, 35, 567-590 | 2.8 | 2 |
| 47 | Stability criteria of random delay differential systems subject to random impulses. *International Journal of Robust and Nonlinear Control*, **2021**, 31, 6681-6698 | 3.6 | 2 |
| 46 | Further stability results for random nonlinear systems with stochastic impulses. *Journal of the Franklin Institute*, **2021**, 358, 5426-5450 | 4 | 2 |
| 45 | Mixed H 2/H control for linear infinite-dimensional systems. *International Journal of Control, Automation and Systems*, **2016**, 14, 128-139 | 2.9 | 2 |
| 44 | Fault detection filtering for Itô type affine nonlinear stochastic systems. *Asian Journal of Control*, **2021**, 23, 620-635 | 1.7 | 2 |
| 43 | 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 | 3.5 | 2 |
| 42 | Indefinite Mean-Field Stochastic Cooperative Linear-Quadratic Dynamic Difference Game With Its Application to the Network Security Model. *IEEE Transactions on Cybernetics*, **2021**, PP, | 10.2 | 2 |
| 41 | Fuzzy Quantized Control of Nonstrict Feedback Nonlinear Systems with Actuator Faults. *International Journal of Fuzzy Systems*, **2020**, 22, 1922-1936 | 3.6 | 1 |
| 40 | Weighted H Performance Analysis of Nonlinear Stochastic Switched Systems with State Dependent Noise: A Mode-Dependent Average Dwell Time Method **2018**, | | 1 |
| 39 | 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 | 3.1 | 1 |

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| 38 | On uniform detectability of discrete-time stochastic systems subject to multiplicative noise **2013**, | | 1 |
| 37 | A Nash game approach to stochastic H2/H$\infty$ control: Overview and further research topics **2015**, | | 1 |
| 36 | The H$\infty$ Control for Bilinear Systems with Poisson Jumps. *Mathematical Problems in Engineering*, **2014**, 2014, 1-7 | 1.1 | 1 |
| 35 | Nonlinear Stochastic H$\infty$ Control with Markov Jumps and (x,u,v)-Dependent Noise: Finite and Infinite Horizon Cases. *Mathematical Problems in Engineering*, **2014**, 2014, 1-10 | 1.1 | 1 |
| 34 | Spectral Perspective on the Stability of Discrete-Time Markov Jump Systems with Multiplicative Noise. *Mathematical Problems in Engineering*, **2014**, 2014, 1-6 | 1.1 | 1 |
| 33 | Some properties of exact observability of linear stochastic systems and their applications. *Asian Journal of Control*, **2012**, 14, 868-873 | 1.7 | 1 |
| 32 | Stochastic Systems 2013. *Mathematical Problems in Engineering*, **2013**, 2013, 1-2 | 1.1 | 1 |
| 31 | General D-stability and D-stabilization for linear stochastic systems: Continuous-time case **2010**, | | 1 |
| 30 | On detectability and observability of discrete-time stochastic Markov jump systems with state-dependent noise **2012**, | | 1 |
| 29 | Improved noise-to-state stability criteria of random nonlinear systems with stochastic impulses. *IET Control Theory and Applications*, **2021**, 15, 96-109 | 2.5 | 1 |
| 28 | Fractional-Order Nonsingular Terminal Sliding Mode Control of Uncertain Robot Neural Network **2020**, | | 1 |
| 27 | 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 | 1 |
| 26 | Observer-Based Adaptive Fuzzy Fault-Tolerant Control for Nonlinear Systems Using Small-Gain Approach. *International Journal of Fuzzy Systems*, **2019**, 21, 685-699 | 3.6 | 1 |
| 25 | Robust H$\infty$ control for a class of quasi-linear uncertain stochastic time-varying delayed systems. *Asian Journal of Control*, **2020**, 22, 1755-1766 | 1.7 | 1 |
| 24 | Practical tracking and disturbance rejection for a class of discrete-time stochastic linear systems. *International Journal of Control*, **2020**, 1-10 | 1.5 | 1 |
| 23 | Consensus of the Hybrid Multiagent System Under Impulse Control. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2021**, 1-1 | 3.5 | 1 |
| 22 | Infinite horizon multiobjective optimal control of stochastic cooperative linear-quadratic dynamic difference games. *Journal of the Franklin Institute*, **2021**, 358, 8288-8288 | 4 | 1 |
| 21 | Regulation Control for Discrete-time Stochastic Nonlinear Active Suspension. *International Journal of Control, Automation and Systems*, **2022**, 20, 888-896 | 2.9 | 1 |

| 20 | Improved stability and instability theorems for stochastic nonlinear systems. *International Journal of Robust and Nonlinear Control*, **2020**, 30, 3149-3163 | 3.6 | 0 |
| 19 | Corrections to ⬚Mixed control of time-varying stochastic discrete-time systems under uniform detectability⬚*IET Control Theory and Applications*, **2016**, 10, 1202-1203 | 2.5 | 0 |
| 18 | Feedback Stabilization for a Class of Nonlinear Stochastic Systems with State- and Control-Dependent Noise. *Mathematical Problems in Engineering*, **2014**, 2014, 1-8 | 1.1 | 0 |
| 17 | Command-Filter-Based Adaptive Fuzzy Finite-Time Output Feedback Control for State-Constrained Nonlinear Systems With Input Saturation. *IEEE Transactions on Fuzzy Systems*, **2021**, 1-1 | 8.3 | 0 |
| 16 | Robust Stability, Stabilization, andH⬚Control of a Class of Nonlinear Discrete Time Stochastic Systems. *Mathematical Problems in Engineering*, **2016**, 2016, 1-11 | 1.1 | 0 |
| 15 | Back-stepping stabilization of fractional-order triangular system with applications to chaotic systems. *Asian Journal of Control*, **2021**, 23, 143-154 | 1.7 | 0 |
| 14 | Finite-Time Tracking Control for a Class of MIMO Nonstrict-Feedback Nonlinear Systems Via Adaptive Fuzzy Method. *International Journal of Fuzzy Systems*,1 | 3.6 | 0 |
| 13 | Observer-based adaptive neural quantized control for nonlinear systems with asymmetric fuzzy dead zones and unknown control directions. *Nonlinear Dynamics*,1 | 5 | 0 |
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