# Kexin Guo

List of Publications by Year
in descending order

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|---|---|---|---|
| 395<br>papers | 15,099<br>citations | 23567<br>58<br>h-index | 23533<br>111<br>g-index |
| 402<br>all docs | 402<br>docs citations | 402<br>times ranked | 7130<br>citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Disturbance-Observer-Based Control and Related Methodsâ€"An Overview. IEEE Transactions on Industrial Electronics, 2016, 63, 1083-1095. | 7.9 | 1,951 |
| 2 | Disturbance attenuation and rejection for systems with nonlinearity via DOBC approach. International Journal of Robust and Nonlinear Control, 2005, 15, 109-125. | 3.7 | 656 |
| 3 | Disturbance/Uncertainty Estimation and Attenuation Techniques in PMSM Drivesâ€"A Survey. IEEE Transactions on Industrial Electronics, 2017, 64, 3273-3285. | 7.9 | 453 |
| 4 | Identification and Stochastic Adaptive Control. Systems and Control: Foundations and Applications, 1991, , . | 0.3 | 368 |
| 5 | Composite disturbanceâ€observerâ€based control and $H$<sub>â̌ž</sub> control for complex continuous models. International Journal of Robust and Nonlinear Control, 2010, 20, 106-118. | 3.7 | 328 |
| 6 | Nonlinear-Disturbance-Observer-Based Robust Flight Control for Airbreathing Hypersonic Vehicles. IEEE Transactions on Aerospace and Electronic Systems, 2013, 49, 1263-1275. | 4.7 | 304 |
| 7 | Stabilization of switched linear systems. IEEE Transactions on Automatic Control, 2005, 50, 661-666. | 5.7 | 273 |
| 8 | Anti-disturbance control theory for systems with multiple disturbances: A survey. ISA Transactions, 2014, 53, 846-849. | 5.7 | 270 |
| 9 | Resilient Control of Networked Control System Under DoS Attacks: A Unified Game Approach. IEEE Transactions on Industrial Informatics, 2016, 12, 1786-1794. | 11.3 | 264 |
| 10 | Adaptive Fault-Tolerant Attitude Tracking Control of Spacecraft With Prescribed Performance. IEEE/ASME Transactions on Mechatronics, 2018, 23, 331-341. | 5.8 | 257 |
| 11 | Composite disturbance-observer-based control and terminal sliding mode control for non-linear systems with disturbances. International Journal of Control, 2009, 82, 1082-1098. | 1.9 | 227 |
| 12 | Adaptive Sliding Mode Disturbance Observer-Based Composite Control With Prescribed Performance of Space Manipulators for Target Capturing. IEEE Transactions on Industrial Electronics, 2019, 66, 1973-1983. | 7.9 | 217 |
| 13 | Composite anti-disturbance control for Markovian jump nonlinear systems via disturbance observer. Automatica, 2013, 49, 2538-2545. | 5.0 | 215 |
| 14 | Wheat yellow rust monitoring by learning from multispectral UAV aerial imagery. Computers and Electronics in Agriculture, 2018, 155, 157-166. | 7.7 | 180 |
| 15 | How much uncertainty can be dealt with by feedback?. IEEE Transactions on Automatic Control, 2000, 45, 2203-2217. | 5.7 | 172 |
| 16 | Ultra-Wideband and Odometry-Based Cooperative Relative Localization With Application to Multi-UAV Formation Control. IEEE Transactions on Cybernetics, 2020, 50, 2590-2603. | 9.5 | 154 |
| 17 | Convergence rate of least-squares identification and adaptive control for stochastic systemsâ€. International Journal of Control, 1986, 44, 1459-1476. | 1.9 | 147 |
| 18 | On quadratic lyapunov functions. IEEE Transactions on Automatic Control, 2003, 48, 885-890. | 5.7 | 147 |

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| 19 | Fault detection and diagnosis for general stochastic systems using B-spline expansions and nonlinear filters. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2005, 52, 1644-1652. | 0.1 | 139 |
| 20 | An anti-disturbance PD control scheme for attitude control and stabilization of flexible spacecrafts. Nonlinear Dynamics, 2012, 67, 2081-2088. | 5.2 | 130 |
| 21 | Self-convergence of weighted least-squares with applications to stochastic adaptive control. IEEE Transactions on Automatic Control, 1996, 41, 79-89. | 5.7 | 129 |
| 22 | Neural Network-Based DOBC for a Class of Nonlinear Systems With Unmatched Disturbances. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 482-489. | 11.3 | 128 |
| 23 | Hierarchical anti-disturbance adaptive control for non-linear systems with composite disturbances and applications to missile systems. Transactions of the Institute of Measurement and Control, 2011, 33, 942-956. | 1.7 | 127 |
| 24 | Optimal control for networked control systems with disturbances: a delta operator approach. IET Control Theory and Applications, 2017, 11, 1325-1332. | 2.1 | 125 |
| 25 | Event-Triggered Adaptive Attitude Tracking Control for Spacecraft With Unknown Actuator Faults. IEEE Transactions on Industrial Electronics, 2020, 67, 2241-2250. | 7.9 | 121 |
| 26 | PID controller design for second order nonlinear uncertain systems. Science China Information Sciences, 2017, 60, 1. | 4.3 | 113 |
| 27 | PID Controller Design for Output PDFs of Stochastic Systems Using Linear Matrix Inequalities. IEEE Transactions on Systems, Man, and Cybernetics, 2005, 35, 65-71. | 5.0 | 111 |
| 28 | Novel Adaptive Strategies for Synchronization of Linearly Coupled Neural Networks With Reaction-Diffusion Terms. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 429-440. | 11.3 | 111 |
| 29 | Soft Control on Collective Behavior of a Group of Autonomous Agents By a Shill Agent. Journal of Systems Science and Complexity, 2006, 19, 54-62. | 2.8 | 109 |
| 30 | Composite Hierarchical Antidisturbance Control for Magnetic Bearing System Subject to Multiple External Disturbances. IEEE Transactions on Industrial Electronics, 2014, 61, 7004-7012. | 7.9 | 109 |
| 31 | Multiple observers based anti-disturbance control for a quadrotor UAV against payload and wind disturbances. Control Engineering Practice, 2020, 102, 104560. | 5.5 | 107 |
| 32 | Ultra-Wideband-Based Localization for Quadcopter Navigation. Unmanned Systems, 2016, 04, 23-34. | 3.6 | 103 |
| 33 | Robust stability for neural networks with time-varying delays and linear fractional uncertainties. Neurocomputing, 2007, 71, 421-427. | 5.9 | 100 |
| 34 | Composite adaptive disturbance observer based control and back-stepping method for nonlinear system with multiple mismatched disturbances. Journal of the Franklin Institute, 2014, 351, 1027-1041. | 3.4 | 100 |
| 35 | Minimum Entropy Filtering for Multivariate Stochastic Systems With Non-Gaussian Noises. IEEE Transactions on Automatic Control, 2006, 51, 695-700. | 5.7 | 99 |
| 36 | Robust Adaptive Nonsingular Terminal Sliding Mode Control for Automatic Train Operation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 2406-2415. | 9.3 | 99 |

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| 37 | Further Results on Delay-Dependent Stability Criteria of Neural Networks With Time-Varying Delays. IEEE Transactions on Neural Networks, 2008, 19, 726-730. | 4.2 | 97 |
| 38 | Decentralized output-feedback adaptive control for a class of interconnected nonlinear systems with unknown actuator failures. Automatica, 2016, 71, 187-196. | 5.0 | 96 |
| 39 | Ultra-wideband based cooperative relative localization algorithm and experiments for multiple unmanned aerial vehicles in GPS denied environments. International Journal of Micro Air Vehicles, 2017, 9, 169-186. | 1.3 | 96 |
| 40 | Aerial Visual Perception in Smart Farming: Field Study of Wheat Yellow Rust Monitoring. IEEE Transactions on Industrial Informatics, 2021, 17, 2242-2249. | 11.3 | 96 |
| 41 | Robust &lt;formula formulatype="inline"&gt;&lt;tex Notation="TeX"&gt;$L_{m infty}$&lt;/tex&gt;&lt;/formula&gt;-Gain Fuzzy Disturbance Observer-Based Control Design With Adaptive Bounding for a Hypersonic Vehicle. IEEE Transactions on Fuzzy Systems, 2014, 22, 1401-1412. | 9.8 | 94 |
| 42 | Passivity and Stability Analysis of Reaction-Diffusion Neural Networks With Dirichlet Boundary Conditions. IEEE Transactions on Neural Networks, 2011, 22, 2105-2116. | 4.2 | 93 |
| 43 | On critical stability of discrete-time adaptive nonlinear control. IEEE Transactions on Automatic Control, 1997, 42, 1488-1499. | 5.7 | 88 |
| 44 | Event-Triggered Strategy Design for Discrete-Time Nonlinear Quadratic Games With Disturbance Compensations: The Noncooperative Case. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1885-1896. | 9.3 | 88 |
| 45 | Stochastic Distribution Control System Design. Advances in Industrial Control, 2010, , . | 0.5 | 84 |
| 46 | Disturbance-Observer-Based Composite Hierarchical Antidisturbance Control for Singular Markovian Jump Systems. IEEE Transactions on Automatic Control, 2019, 64, 2875-2882. | 5.7 | 79 |
| 47 | Non-linear disturbance observer-based back-stepping control for airbreathing hypersonic vehicles with mismatched disturbances. IET Control Theory and Applications, 2014, 8, 1852-1865. | 2.1 | 76 |
| 48 | Disturbance-Observer-Based Fault Tolerant Control of High-Speed Trains: A Markovian Jump System Model Approach. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 1476-1485. | 9.3 | 76 |
| 49 | Reduced-order controllers for continuous and discrete-time singular $H_\infty$ control problems based on LMI. Automatica, 1996, 32, 1581-1585. | 5.0 | 74 |
| 50 | Coupling-observer-based nonlinear control for flexible air-breathing hypersonic vehicles. Nonlinear Dynamics, 2014, 78, 2141-2159. | 5.2 | 69 |
| 51 | Active disturbance rejection control for a pneumatic motion platform subject to actuator saturation: An extended state observer approach. Automatica, 2019, 107, 353-361. | 5.0 | 69 |
| 52 | Resilient Control of Wireless Networked Control System Under Denial-of-Service Attacks: A Cross-Layer Design Approach. IEEE Transactions on Cybernetics, 2020, 50, 48-60. | 9.5 | 68 |
| 53 | Barrier Lyapunov Functions-Based Adaptive Fault Tolerant Control for Flexible Hypersonic Flight Vehicles With Full State Constraints. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3391-3400. | 9.3 | 67 |
| 54 | Generalized discrete-time PI control of output PDFs using square root B-spline expansion. Automatica, 2005, 41, 159-162. | 5.0 | 64 |

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| 55 | Robust fault-tolerant control for flexible spacecraft against partial actuator failures. Nonlinear Dynamics, 2014, 76, 1753-1760. | 5.2 | 64 |
| 56 | The role of model validation for assessing the size of the unmodeled dynamics. IEEE Transactions on Automatic Control, 1997, 42, 1230-1239. | 5.7 | 63 |
| 57 | Disturbance observer based robust mixed H2/Hˆž fuzzy tracking control for hypersonic vehicles. Fuzzy Sets and Systems, 2017, 306, 118-136. | 2.7 | 63 |
| 58 | Performance analysis of the forgetting factor RLS algorithm. International Journal of Adaptive Control and Signal Processing, 1993, 7, 525-537. | 4.1 | 62 |
| 59 | Convergence of a Class of Multi-Agent Systems In Probabilistic Framework. Journal of Systems Science and Complexity, 2007, 20, 173-197. | 2.8 | 62 |
| 60 | Force Reflecting Control for Bilateral Teleoperation System Under Time-Varying Delays. IEEE Transactions on Industrial Informatics, 2019, 15, 1162-1172. | 11.3 | 60 |
| 61 | Spatio-temporal monitoring of wheat yellow rust using UAV multispectral imagery. Computers and Electronics in Agriculture, 2019, 167, 105035. | 7.7 | 60 |
| 62 | DOB Fuzzy Controller Design for Non-Gaussian Stochastic Distribution Systems Using Two-Step Fuzzy Identification. IEEE Transactions on Fuzzy Systems, 2016, 24, 401-418. | 9.8 | 59 |
| 63 | Flight Control Design for Small-Scale Helicopter Using Disturbance-Observer-Based Backstepping. Journal of Guidance, Control, and Dynamics, 2015, 38, 2235-2240. | 2.8 | 55 |
| 64 | Adaptive Statistic Tracking Control Based on Two-Step Neural Networks With Time Delays. IEEE Transactions on Neural Networks, 2009, 20, 420-429. | 4.2 | 51 |
| 65 | Fault tolerant control with disturbance rejection and attenuation performance for systems with multiple disturbances. Asian Journal of Control, 2011, 13, 1056-1064. | 3.0 | 51 |
| 66 | Containment control of heterogeneous fractional-order multi-agent systems. Journal of the Franklin Institute, 2019, 356, 752-765. | 3.4 | 51 |
| 67 | Entropy Optimization Filtering for Fault Isolation of Nonlinear Non-Gaussian Stochastic Systems. IEEE Transactions on Automatic Control, 2009, 54, 804-810. | 5.7 | 50 |
| 68 | Composite control of linear quadratic games in delta domain with disturbance observers. Journal of the Franklin Institute, 2017, 354, 1673-1695. | 3.4 | 50 |
| 69 | A parameter formula connecting PID and ADRC. Science China Information Sciences, 2020, 63, 1. | 4.3 | 50 |
| 70 | Delayâ€rangeâ€dependent robust stability and stabilization for uncertain systems with timeâ€varying delay. International Journal of Robust and Nonlinear Control, 2008, 18, 1372-1387. | 3.7 | 49 |
| 71 | Applying constrained nonlinear generalized PI strategy to PDF tracking control through square root B-spline models. International Journal of Control, 2004, 77, 1481-1492. | 1.9 | 48 |
| 72 | Constrained PI Tracking Control for Output Probability Distributions Based on Two-Step Neural Networks. IEEE Transactions on Circuits and Systems I: Regular Papers, 2009, 56, 1416-1426. | 5.4 | 47 |

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| 73 | Composite Robust &lt;inline-formula&gt; &lt;tex-math notation="LaTeX"&gt;$H_infty$&lt;/tex-math&gt; &lt;/inline-formula&gt; Control for Uncertain Stochastic Nonlinear Systems With State Delay via a Disturbance Observer. IEEE Transactions on Automatic Control, 2018, 63, 4345-4352. | 5.7 | 47 |
| 74 | An enhanced anti-disturbance attitude control law for flexible spacecrafts subject to multiple disturbances. Control Engineering Practice, 2019, 84, 274-283. | 5.5 | 46 |
| 75 | Stability analysis of reaction–diffusion Cohen–Grossberg neural networks under impulsive control. Neurocomputing, 2013, 106, 21-30. | 5.9 | 45 |
| 76 | Finite-time super-twisting sliding mode control for Mars entry trajectory tracking. Journal of the Franklin Institute, 2015, 352, 5226-5248. | 3.4 | 45 |
| 77 | Disturbance Rejection Fuzzy Control for Nonlinear Parabolic PDE Systems via Multiple Observers. IEEE Transactions on Fuzzy Systems, 2016, 24, 1334-1348. | 9.8 | 45 |
| 78 | Adaptive Consensus Control for Nonlinear Multiagent Systems With Unknown Control Directions and Time-Varying Actuator Faults. IEEE Transactions on Automatic Control, 2021, 66, 4222-4229. | 5.7 | 44 |
| 79 | Robust Consensus and Soft Control of Multi-Agent Systems with Noises*. Journal of Systems Science and Complexity, 2008, 21, 406-415. | 2.8 | 43 |
| 80 | Nussbaum–type function–based attitude control of spacecraft with actuator saturation. International Journal of Robust and Nonlinear Control, 2018, 28, 2927-2949. | 3.7 | 43 |
| 81 | Method and Implementation of a Bioinspired Polarization-Based Attitude and Heading Reference System by Integration of Polarization Compass and Inertial Sensors. IEEE Transactions on Industrial Electronics, 2020, 67, 9802-9812. | 7.9 | 43 |
| 82 | Fixed-Time Observer Based Safety Control for a Quadrotor UAV. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 2815-2825. | 4.7 | 43 |
| 83 | Multi-objective robust initial alignment algorithm for Inertial Navigation System with multiple disturbances. Aerospace Science and Technology, 2012, 21, 1-6. | 4.8 | 42 |
| 84 | A Sampled-Data Approach to Nonlinear ESO-Based Active Disturbance Rejection Control for Pneumatic Muscle Actuator Systems with Actuator Saturations. IEEE Transactions on Industrial Electronics, 2019, 66, 4608-4617. | 7.9 | 42 |
| 85 | Fault-Tolerant Optimal Control for Discrete-Time Nonlinear System Subjected to Input Saturation: A Dynamic Event-Triggered Approach. IEEE Transactions on Cybernetics, 2021, 51, 2956-2968. | 9.5 | 42 |
| 86 | Fuzzy normalization and stabilization for a class of nonlinear rectangular descriptor systems. Neurocomputing, 2017, 219, 263-268. | 5.9 | 41 |
| 87 | Necessary and sufficient conditions for stability of LMS. IEEE Transactions on Automatic Control, 1997, 42, 761-770. | 5.7 | 40 |
| 88 | Nonlinear Active Disturbance Rejection Control for the Pneumatic Muscle Actuators With Discrete-Time Measurements. IEEE Transactions on Industrial Electronics, 2019, 66, 2044-2053. | 7.9 | 40 |
| 89 | Control of Nonlinear Uncertain Systems by Extended PID. IEEE Transactions on Automatic Control, 2021, 66, 3840-3847. | 5.7 | 40 |
| 90 | Finite-time soft landing on asteroids using nonsingular terminal sliding mode control. Transactions of the Institute of Measurement and Control, 2014, 36, 216-223. | 1.7 | 39 |

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| 91 | Online optimisation‐based backstepping control design with application to quadrotor. IET Control Theory and Applications, 2016, 10, 1601-1611. | 2.1 | 39 |
| 92 | Active Disturbance Rejection Control for the Ranger Neutral Buoyancy Vehicle: A Delta Operator Approach. IEEE Transactions on Industrial Electronics, 2017, 64, 9410-9420. | 7.9 | 39 |
| 93 | Initial alignment for nonlinear inertial navigation systems with multiple disturbances based on enhanced anti-disturbance filtering. International Journal of Control, 2012, 85, 491-501. | 1.9 | 38 |
| 94 | Disturbance‐observer‐based control &amp; $\mathcal{H}_\infty$ control for non‐linear Markovian jump singular systems with multiple disturbances. IET Control Theory and Applications, 2014, 8, 1689-1697. | 2.1 | 38 |
| 95 | Advances in Disturbance/Uncertainty Estimation and Attenuation [Guest editors' introduction]. IEEE Transactions on Industrial Electronics, 2015, 62, 5758-5762. | 7.9 | 38 |
| 96 | Composite disturbance-observer-based control and terminal sliding mode control for uncertain structural systems. International Journal of Systems Science, 2009, 40, 1009-1017. | 5.5 | 37 |
| 97 | An information aware event-triggered scheme for particle filter based remote state estimation. Automatica, 2019, 103, 151-158. | 5.0 | 37 |
| 98 | Connectivity and synchronization of Vicsek model. Science in China Series F: Information Sciences, 2008, 51, 848-858. | 1.1 | 36 |
| 99 | Machine Learning-Based Crop Drought Mapping System by UAV Remote Sensing RGB Imagery. Unmanned Systems, 2020, 08, 71-83. | 3.6 | 36 |
| 100 | Mobile Formation Coordination and Tracking Control for Multiple Nonholonomic Vehicles. IEEE/ASME Transactions on Mechatronics, 2020, 25, 1231-1242. | 5.8 | 36 |
| 101 | Detection, estimation, and compensation of false data injection attack for UAVs. Information Sciences, 2021, 546, 723-741. | 6.9 | 36 |
| 102 | Dimension Reduction Aided Hyperspectral Image Classification with a Small-sized Training Dataset: Experimental Comparisons. Sensors, 2017, 17, 2726. | 3.8 | 35 |
| 103 | Event-triggered tracking control for nonlinear systems subject to time-varying external disturbances. Automatica, 2020, 119, 109070. | 5.0 | 35 |
| 104 | Finite-Horizon Approximate Optimal Guaranteed Cost Control of Uncertain Nonlinear Systems With Application to Mars Entry Guidance. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 1456-1467. | 11.3 | 34 |
| 105 | Static anti-windup design for nonlinear Markovian jump systems with multiple disturbances. Information Sciences, 2017, 418-419, 169-183. | 6.9 | 34 |
| 106 | Eye gaze pattern analysis for fatigue detection based on GP-BCNN with ESM. Pattern Recognition Letters, 2019, 123, 61-74. | 4.2 | 34 |
| 107 | An Autonomous Initial Alignment and Observability Analysis for SINS With Bio-Inspired Polarized Skylight Sensors. IEEE Sensors Journal, 2020, 20, 7941-7956. | 4.7 | 34 |
| 108 | Consistent estimation of the order of stochastic control systems. IEEE Transactions on Automatic Control, 1987, 32, 531-535. | 5.7 | 33 |

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| 109 | Towards quantifying the impact of randomly occurred attacks on a class of networked control systems. Journal of the Franklin Institute, 2017, 354, 4966-4988. | 3.4 | 33 |
| 110 | Fixed-Time Maneuver Control of Spacecraft Autonomous Rendezvous With a Free-Tumbling Target. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 562-577. | 4.7 | 33 |
| 111 | Composite disturbanceâ€observerâ€based output feedback control and passive control for Markovian jump systems with multiple disturbances. IET Control Theory and Applications, 2014, 8, 873-881. | 2.1 | 32 |
| 112 | Anti-disturbance fault diagnosis for non-Gaussian stochastic distribution systems with multiple disturbances. Neurocomputing, 2014, 136, 315-320. | 5.9 | 32 |
| 113 | Cooperative Moving-Target Enclosing Control for Multiple Nonholonomic Vehicles Using Feedback Linearization Approach. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 4929-4935. | 9.3 | 32 |
| 114 | Further result on asymptotic stability criterion of neural networks with time-varying delays. Neurocomputing, 2007, 71, 439-447. | 5.9 | 31 |
| 115 | Observer-based optimal fault detection using PDFs for time-delay stochastic systems. Nonlinear Analysis: Real World Applications, 2008, 9, 2337-2349. | 1.7 | 31 |
| 116 | Fault isolation for multivariate nonlinear non-Gaussian systems using generalized entropy optimization principle. Automatica, 2009, 45, 2612-2619. | 5.0 | 31 |
| 117 | Composite antiâ€disturbance attitude and vibration control for flexible spacecraft. IET Control Theory and Applications, 2017, 11, 2383-2390. | 2.1 | 31 |
| 118 | A New Distributed Model Predictive Control for Unconstrained Double-Integrator Multiagent Systems. IEEE Transactions on Automatic Control, 2018, 63, 4367-4374. | 5.7 | 31 |
| 119 | Robust consensus of multi-agent systems with time-delays and exogenous disturbances. International Journal of Control, Automation and Systems, 2012, 10, 797-805. | 2.7 | 30 |
| 120 | High-Precision Trajectory Tracking Control for Space Manipulator With Neutral Uncertainty and Deadzone Nonlinearity. IEEE Transactions on Control Systems Technology, 2019, 27, 2254-2262. | 5.2 | 30 |
| 121 | Velocity-Tracking Control Based on Refined Disturbance Observer for Gimbal Servo System With Multiple Disturbances. IEEE Transactions on Industrial Electronics, 2022, 69, 10311-10321. | 7.9 | 30 |
| 122 | A note on overshoot estimation in pole placements. Journal of Control Theory and Applications, 2004, 2, 161-164. | 0.8 | 29 |
| 123 | Sliding mode friction observer based control for flexible spacecraft with reaction wheel. IET Control Theory and Applications, 2017, 11, 1274-1281. | 2.1 | 29 |
| 124 | A Bionic Polarization Navigation Sensor Based on Polarizing Beam Splitter. IEEE Access, 2018, 6, 11472-11481. | 4.2 | 29 |
| 125 | Composite hierarchical anti-disturbance control for robotic systems with multiple disturbances. International Journal of Control, Automation and Systems, 2014, 12, 541-551. | 2.7 | 28 |
| 126 | A limit to the capability of feedback. IEEE Transactions on Automatic Control, 2002, 47, 687-692. | 5.7 | 27 |

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| 127 | Optimal Fault-Detection Filtering for Non-Gaussian Systems via Output PDFs. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2009, 39, 476-481. | 2.9 | 27 |
| 128 | Feedback control design with vibration suppression for flexible air-breathing hypersonic vehicles. Science China Information Sciences, 2014, 57, 1-14. | 4.3 | 27 |
| 129 | Finite-time control for soft landing on an asteroid based on line-of-sight angle. Journal of the Franklin Institute, 2014, 351, 383-398. | 3.4 | 26 |
| 130 | Event-Triggered Observer-Based $\mathcal{H}_\infty$ Consensus Control and Fault Detection of Multiagent Systems Under Stochastic False Data Injection Attacks. IEEE Transactions on Network Science and Engineering, 2022, 9, 481-494. | 6.4 | 26 |
| 131 | On stability of random Riccati equations. Science in China Series D: Earth Sciences, 1999, 42, 136-148. | 0.9 | 25 |
| 132 | Fault tolerant control based on stochastic distribution via RBF neural networks. Journal of Systems Engineering and Electronics, 2011, 22, 63-69. | 2.2 | 25 |
| 133 | Joint stochastic distribution tracking control for multivariate descriptor systems with non-gaussian variables. International Journal of Systems Science, 2012, 43, 192-200. | 5.5 | 25 |
| 134 | Finite dimensional disturbance observer based control for nonlinear parabolic PDE systems via output feedback. Journal of Process Control, 2016, 48, 25-40. | 3.3 | 25 |
| 135 | Fault tolerant control based on stochastic distributions via MLP neural networks. Neurocomputing, 2007, 70, 867-874. | 5.9 | 24 |
| 136 | Simultaneous cooperative relative localization and distributed formation control for multiple UAVs. Science China Information Sciences, 2020, 63, 1. | 4.3 | 24 |
| 137 | Two-stage particle filtering for non-Gaussian state estimation with fading measurements. Automatica, 2020, 115, 108882. | 5.0 | 24 |
| 138 | Drag-based composite super-twisting sliding mode control law design for Mars entry guidance. Advances in Space Research, 2016, 57, 2508-2518. | 2.6 | 23 |
| 139 | Anti-disturbance fault tolerant initial alignment for inertial navigation system subjected to multiple disturbances. Aerospace Science and Technology, 2018, 72, 95-103. | 4.8 | 23 |
| 140 | Global Autonomous Positioning in GNSS-Challenged Environments: A Bioinspired Strategy by Polarization Pattern. IEEE Transactions on Industrial Electronics, 2021, 68, 6308-6317. | 7.9 | 23 |
| 141 | Attitude Coordination Control for Spacecraft With Disturbances and Event-Triggered Communication. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 586-596. | 4.7 | 23 |
| 142 | Stability Criteria With Less LMI Variables for Neural Networks With Time-Varying Delay. IEEE Transactions on Circuits and Systems II: Express Briefs, 2008, 55, 1188-1192. | 3.0 | 22 |
| 143 | Particle filtering with applications in networked systems: a survey. Complex & Intelligent Systems, 2016, 2, 293-315. | 6.5 | 22 |
| 144 | Disturbance observer based reliable H âˆž fuzzy attitude tracking control for Mars entry vehicles with actuator failures. Aerospace Science and Technology, 2018, 77, 92-104. | 4.8 | 22 |

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| 145 | Sensor Modeling and Calibration Method Based on Extinction Ratio Error for Camera-Based Polarization Navigation Sensor. Sensors, 2020, 20, 3779. | 3.8 | 22 |
| 146 | Event‐triggered anti‐disturbance attitude control for rigid spacecrafts with multiple disturbances. International Journal of Robust and Nonlinear Control, 2021, 31, 344-357. | 3.7 | 22 |
| 147 | Sliding-Mode-Observer-Based Time-Varying Formation Tracking for Multispacecrafts Subjected to Switching Topologies and Time-Delays. IEEE Transactions on Automatic Control, 2021, 66, 3848-3855. | 5.7 | 22 |
| 148 | Design and calibration model of a bioinspired attitude and heading reference system based on compound eye polarization compass. Bioinspiration and Biomimetics, 2021, 16, 016001. | 2.9 | 22 |
| 149 | Optimal stochastic adaptive control with quadratic index. International Journal of Control, 1986, 43, 869-881. | 1.9 | 21 |
| 150 | Adaptive control via consistent estimation for deterministic systems. International Journal of Control, 1987, 45, 2183-2202. | 1.9 | 21 |
| 151 | Saturating composite disturbance-observer-based control and H ∞ control for discrete time-delay systems with nonlinearity. International Journal of Control, Automation and Systems, 2009, 7, 691-701. | 2.7 | 21 |
| 152 | Disturbance observer based model predictive control for accurate atmospheric entry of spacecraft. Advances in Space Research, 2018, 61, 2457-2471. | 2.6 | 20 |
| 153 | Output feedback based simultaneous stabilization of two Port-controlled Hamiltonian systems with disturbances. Journal of the Franklin Institute, 2019, 356, 8154-8166. | 3.4 | 20 |
| 154 | Multivariable adaptive control with unknown signs of the high-frequency gain matrix using novel Nussbaum functions. Automatica, 2020, 111, 108618. | 5.0 | 20 |
| 155 | Path tracking control of a self‐driving wheel excavator via an enhanced data‐driven model‐free adaptive control approach. IET Control Theory and Applications, 2020, 14, 220-232. | 2.1 | 20 |
| 156 | Antidisturbance Controllability Analysis and Enhanced Antidisturbance Controller Design With Application to Flexible Spacecraft. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 3393-3404. | 4.7 | 20 |
| 157 | Distribution function tracking filter design using hybrid characteristic functions. Automatica, 2010, 46, 101-109. | 5.0 | 19 |
| 158 | Disturbance attenuation and rejection for discrete-time Markovian jump systems with lossy measurements. Information Sciences, 2014, 278, 673-684. | 6.9 | 19 |
| 159 | On resilient strategy design of multi-tasking optimal control for state-saturated systems with nonlinear disturbances: The time-varying case. Automatica, 2019, 107, 138-145. | 5.0 | 19 |
| 160 | Improved Cubature Kalman Filter for Spacecraft Attitude Estimation. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-13. | 4.7 | 19 |
| 161 | Solar-tracking methodology based on refraction-polarization in Snell's window for underwater navigation. Chinese Journal of Aeronautics, 2022, 35, 380-389. | 5.3 | 19 |
| 162 | Adaptive Fixed-Time Attitude Tracking Control of Spacecraft With Uncertainty-Rejection Capability. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 4634-4647. | 9.3 | 19 |

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