# Guoshan Zhang

## List of Publications by Citations

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|---|---|---|---|
| 81 papers | 727 citations | 13 h-index | 24 g-index |
| 126 ext. papers | 1,011 ext. citations | 2.8 avg, IF | 5.12 L-index |

| # | Paper | IF | Citations |
|---|-------|-----|-----------|
| 81 | 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 | 5.9 | 115 |
| 80 | Finite-Time Stability and Stabilization of Linear Itô Stochastic Systems with State and Control-Dependent Noise. *Asian Journal of Control*, **2013**, 15, 270-281 | 1.7 | 65 |
| 79 | Bursting oscillations and coexisting attractors in a simple memristor-capacitor-based chaotic circuit. *Nonlinear Dynamics*, **2019**, 97, 1477-1494 | 5 | 61 |
| 78 | Hidden attractors and multistability in a modified Chua's circuit. *Communications in Nonlinear Science and Numerical Simulation*, **2021**, 92, 105494 | 3.7 | 48 |
| 77 | Matching supply with demand: A power control and real time pricing approach. *International Journal of Electrical Power and Energy Systems*, **2014**, 61, 111-117 | 5.1 | 33 |
| 76 | Non-fragile robust finite-time H control for nonlinear stochastic itô systems using neural network. *International Journal of Control, Automation and Systems*, **2012**, 10, 873-882 | 2.9 | 33 |
| 75 | Infinitely many coexisting conservative flows in a 4D conservative system inspired by LC circuit. *Nonlinear Dynamics*, **2020**, 99, 3197-3216 | 5 | 31 |
| 74 | 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 |
| 73 | Compressive sparse principal component analysis for process supervisory monitoring and fault detection. *Journal of Process Control*, **2017**, 50, 1-10 | 3.9 | 18 |
| 72 | Thigh fracture detection using deep learning method based on new dilated convolutional feature pyramid network. *Pattern Recognition Letters*, **2019**, 125, 521-526 | 4.7 | 18 |
| 71 | Fast terminal sliding-mode finite-time tracking control with differential evolution optimization algorithm using integral chain differentiator in uncertain nonlinear systems. *International Journal of Robust and Nonlinear Control*, **2018**, 28, 625-639 | 3.6 | 16 |
| 70 | Impulsive Mode Elimination for Descriptor Systems by a Structured P-D Feedback. *IEEE Transactions on Automatic Control*, **2011**, 56, 2968-2973 | 5.9 | 14 |
| 69 | Arm fracture detection in X-rays based on improved deep convolutional neural network. *Computers and Electrical Engineering*, **2020**, 81, 106530 | 4.3 | 14 |
| 68 | Parametric Control for Multi-Scroll Attractor Generation via Nested Sine-PWL Function. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2021**, 68, 1033-1037 | 3.5 | 13 |
| 67 | Strategy of active learning support vector machine for image retrieval. *IET Computer Vision*, **2016**, 10, 87-94 | 1.4 | 11 |
| 66 | A nonlinear control method for price-based demand response program in smart grid. *International Journal of Electrical Power and Energy Systems*, **2016**, 74, 322-328 | 5.1 | 10 |
| 65 | A Simple Autonomous Chaotic Circuit With Dead-Zone Nonlinearity. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2020**, 67, 3502-3506 | 3.5 | 10 |

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|---|---|---|---|
| 64 | Adaptive backstepping sliding mode control for nonlinear systems with input saturation. *Transactions of Tianjin University*, **2012**, 18, 46-51 | 2.9 | 10 |
| 63 | Coexisting asymmetric behavior and free control in a simple 3-D chaotic system. *AEU - International Journal of Electronics and Communications*, **2020**, 122, 153234 | 2.8 | 9 |
| 62 | Quantized adaptive tracking control for nonlinear systems with actuator backlash compensation. *Journal of the Franklin Institute*, **2019**, 356, 8484-8506 | 4 | 8 |
| 61 | Minimum penalty for constrained evolutionary optimization. *Computational Optimization and Applications*, **2015**, 60, 513-544 | 1.4 | 8 |
| 60 | Finite time consensus problem for multiple non-holonomic agents with communication delay. *Journal of Systems Science and Complexity*, **2015**, 28, 559-569 | 1 | 7 |
| 59 | Generating grid chaotic sea from system without equilibrium point. *Communications in Nonlinear Science and Numerical Simulation*, **2022**, 107, 106194 | 3.7 | 7 |
| 58 | Scale-sifting multiscale nonlinear process quality monitoring and fault detection. *Canadian Journal of Chemical Engineering*, **2015**, 93, 1416-1425 | 2.3 | 6 |
| 57 | Eigenstructure assignment and impulse elimination for singular second-order system via feedback control. *IET Control Theory and Applications*, **2016**, 10, 869-876 | 2.5 | 6 |
| 56 | Robust output consensus for a class of fractional-order interval multi-agent systems. *Asian Journal of Control*, **2020**, 22, 1679-1691 | 1.7 | 6 |
| 55 | Adaptive projective synchronization for a class of switched chaotic systems. *Mathematical Methods in the Applied Sciences*, **2019**, 42, 6192-6204 | 2.3 | 5 |
| 54 | Solution for Selective Harmonic Elimination in Asymmetric Multilevel Inverter Based on Stochastic Configuration Network and Levenberg-Marquardt Algorithm **2019**, | | 5 |
| 53 | Real-Time Pricing-Based Scheduling Strategy in Smart Grids: A Hierarchical Game Approach. *Journal of Applied Mathematics*, **2014**, 2014, 1-8 | 1.1 | 5 |
| 52 | Infinite horizon H-two/H-infinity control for descriptor systems: Nash game approach. *Journal of Control Theory and Applications*, **2012**, 10, 159-165 | | 5 |
| 51 | Stabilization of rectangular descriptor systems **2008**, | | 5 |
| 50 | Optimal control of second-order and high-order descriptor systems. *Optimal Control Applications and Methods*, **2019**, 40, 791-806 | 1.7 | 4 |
| 49 | Sliding mode tracking control with differential evolution optimisation algorithm using integral-chain differentiator in uncertain nonlinear systems. *International Journal of Systems Science* , **2018**, 49, 1345-1352 | 2.3 | 4 |
| 48 | An Auto-Segmentation Algorithm for Multi-Label Image Based on Graph Cut. *Sensing and Imaging*, **2018**, 19, 1 | 1.4 | 4 |
| 47 | Scheduling optimization for FMS based on Petri net modeling and GA **2011**, | | 4 |

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|---|---|---|---|
| 46 | Finite-time consensus problem for multiple non-holonomic mobile agents **2012**, | | 4 |
| 45 | Stability Analysis and Controller Design for Linear Time Delay Systems with Actuator Saturation. *Proceedings of the American Control Conference*, **2007**, | 1.2 | 4 |
| 44 | Bipartite Consensus for Descriptor Multiagent Systems With Antagonistic Interactions. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2020**, 67, 2602-2606 | 3.5 | 4 |
| 43 | A Review of Target Tracking Algorithm Based on UAV **2018**, | | 4 |
| 42 | A new method for the selection of distribution centre locations. *IMA Journal of Management Mathematics*, **2015**, dpv021 | 1.4 | 3 |
| 41 | Optimal Output Feedback Control of Nonlinear Partially-Unknown Constrained-Input Systems Using Integral Reinforcement Learning. *Neural Processing Letters*, **2019**, 50, 2963-2989 | 2.4 | 3 |
| 40 | Chaos synchronization of Chua's circuit and Lorenz system based on strictly positive realness **2014**, | | 3 |
| 39 | Delay-dependent H-infinity control of linear descriptor systems **2008**, | | 3 |
| 38 | A New Method of PID Control Based on Improved BP Neural Network **2006**, | | 3 |
| 37 | Lyapunov method for stability of descriptor second-order and high-order systems. *Journal of Industrial and Management Optimization*, **2018**, 14, 673-686 | 2 | 3 |
| 36 | Observer-based adaptive fault estimation and fault-tolerant tracking control for a class of uncertain nonlinear systems. *IET Control Theory and Applications*, **2021**, 15, 13-23 | 2.5 | 3 |
| 35 | Multi-variable finite-time observer-based adaptive-gain sliding mode control for fixed-wing UAV. *IET Control Theory and Applications*, **2021**, 15, 223-247 | 2.5 | 3 |
| 34 | Cervical Cancer Cell Detection Based on Deep Convolutional Neural Network **2020**, | | 3 |
| 33 | Object segmentation based on Gaussian mixture model and conditional random fields **2016**, | | 3 |
| 32 | Data-Based H Control for the Constrained-Input Nonlinear Systems and its Applications in Chaotic Circuit Systems. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2020**, 67, 2791-2802 | 3.9 | 2 |
| 31 | Job-shop scheduling optimization design based on an improved GA **2012**, | | 2 |
| 30 | On consensus speed of leader-following multi-agent system with an improved algorithm **2011**, | | 2 |
| 29 | New Absolute Stability Condition for Time-Delay Systems with Sector-Bounded Nonlinearity. *Proceedings of the American Control Conference*, **2007**, | 1.2 | 2 |

| # | Title | | |
|---|-------|---|---|
| 28 | Regularizability, controllability and observability of rectangular descriptor systems by dynamic compensation **2006**, | | 2 |
| 27 | Data-driven Two Degrees of Freedom Controller Design for MIMO System via VRFT Approach **2020**, | | 2 |
| 26 | Observer-based finite time adaptive fault tolerant control for nonaffine nonlinear systems with actuator faults and disturbances. *International Journal of Adaptive Control and Signal Processing*, **2020**, 34, 1430-1446 | 2.8 | 2 |
| 25 | ParallelNet: multiple backbone network for detection tasks on thigh bone fracture. *Multimedia Systems*,1 | 2.2 | 2 |
| 24 | Event-Triggered Adaptive Fault-Tolerant Control for Non-affine Uncertain Systems with Output Tracking Errors Constraints. *IEEE Transactions on Fuzzy Systems*, **2021**, 1-1 | 8.3 | 2 |
| 23 | Suboptimal Control for Nonlinear Systems with Disturbance via Integral Sliding Mode Control and Policy Iteration. *Journal of Optimization Theory and Applications*, **2020**, 185, 652-677 | 1.6 | 1 |
| 22 | A Synthesizing Effect-Based Solution Method for Stochastic Rough Multi-objective Programming Problems. *International Journal of Computational Intelligence Systems*, **2014**, 7, 696-705 | 3.4 | 1 |
| 21 | Finite-time leader-following consensus for multiple non-holonomic agents **2014**, | | 1 |
| 20 | Robust Stabilization for Stochastic Systems with Time-Delay and Nonlinear Uncertainties. *Mathematical Problems in Engineering*, **2012**, 2012, 1-17 | 1.1 | 1 |
| 19 | Adaptive backstepping sliding mode control for nonlinear systems with neural networks **2009**, | | 1 |
| 18 | Online Unified Solution for Selective Harmonic Elimination Based on Stochastic Configuration Network and Levenberg-Marquardt Algorithm. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1 | 8.9 | 1 |
| 17 | Cooperative optimal control for descriptor multi-agent systems. *IMA Journal of Mathematical Control and Information*, **2020**, 37, 935-952 | 1.1 | 1 |
| 16 | Fixed-time disturbance observer-based nearly optimal control for reusable launch vehicle with input constraints. *ISA Transactions*, **2021**, | 5.5 | 1 |
| 15 | Hierarchical dispatch using two-stage optimisation for electricity markets in smart grid. *International Journal of Systems Science*, **2016**, 47, 3529-3536 | 2.3 | 1 |
| 14 | Control and Synchronization of a New Class of Finance Chaotic Systems **2019**, | | 1 |
| 13 | Event-triggered Iterative Learning Control for Perfect Consensus Tracking of Non-identical Fractional Order Multi-agent Systems. *International Journal of Control, Automation and Systems*, **2021**, 19, 1426-1442 | 2.9 | 1 |
| 12 | Optimal output regulation for heterogeneous descriptor multi-agent systems. *Journal of the Franklin Institute*, **2021**, 358, 1475-1498 | 4 | 1 |
| 11 | Complete Synchronization of Finance Chaotic System with Disturbance by Using ADRC **2018**, | | 1 |

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|---|---|---|---|
| 10 | A novel current-controlled memristor-based chaotic circuit. *The Integration VLSI Journal*, **2021**, 80, 20-28 | 1.4 | 1 |
| 9 | *. IEEE Transactions on Industrial Electronics*, **2021**, 68, 11587-11597 | 8.9 | 1 |
| 8 | Automatic detection and localization of thighbone fractures in X-ray based on improved deep learning method. *Computer Vision and Image Understanding*, **2022**, 216, 103345 | 4.3 | 0 |
| 7 | GPU-based multilayer invariant EKF for camera localization. *Computers and Graphics*, **2018**, 76, 29-36 | 1.8 | 0 |
| 6 | Positive Realness of Second-order and High-order Descriptor Systems. *Circuits, Systems, and Signal Processing*, **2020**, 39, 5882-5905 | 2.2 | |
| 5 | A Seismic Blind Deconvolution Algorithm Based on Bayesian Compressive Sensing. *Mathematical Problems in Engineering*, **2015**, 2015, 1-11 | 1.1 | |
| 4 | Robust Object Tracking via Reverse Low-Rank Sparse Learning and Fractional-Order Variation Regularization. *Mathematical Problems in Engineering*, **2020**, 2020, 1-10 | 1.1 | |
| 3 | Performance Index Based Observer-Type Iterative Learning Control for Consensus Tracking of Uncertain Nonlinear Fractional-Order Multiagent Systems. *Complexity*, **2019**, 2019, 1-17 | 1.6 | |
| 2 | Detection of human lower limb mechanical axis key points and its application on patella misalignment detection. *Applied Intelligence*, 1 | 4.9 | |
| 1 | Autotune control algorithm based on relay feedback and adaptive neural network for attitude tracking of nonlinear AUG system. *Ocean Engineering*, **2022**, 250, 111051 | 3.9 | |