

# Shihua Li

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

547  
papers

20,182  
citations

70  
h-index

125  
g-index

657  
ext. papers

25,559  
ext. citations

4.8  
avg, IF

7.69  
L-index

#	Paper	IF	Citations
547	Adaptive output regulation for cyber-physical systems under time-delay attacks. <i>Control Theory and Technology</i> , <b>2022</b> , 20, 20	1	
546	Dynamic Event-Triggered Output Feedback Control for Load Frequency Control in Power Systems With Multiple Cyber Attacks. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2022</b> , 1-13	7.3	9
545	Finite-Time Distributed Approximate Optimization Algorithms of Higher Order Multiagent Systems via Penalty-Function-Based Method. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2022</b> , 1-9	7.3	1
544	Nonsmooth Observer-Based Sensorless Speed Control for Permanent Magnet Synchronous Motor. <i>IEEE Transactions on Industrial Electronics</i> , <b>2022</b> , 1-1	8.9	0
543	Global finite-time set stabilization of spacecraft attitude with disturbances using second-order sliding mode control. <i>Nonlinear Dynamics</i> , <b>2022</b> , 108, 1305	5	0
542	An Optimal Variable Impedance Control With Consideration of the Stability. <i>IEEE Robotics and Automation Letters</i> , <b>2022</b> , 7, 1737-1744	4.2	1
541	Sampled-data robust visual servoing control for moving target tracking of an inertially stabilized platform with a measurement delay. <i>Automatica</i> , <b>2022</b> , 137, 110105	5.7	0
540	A Learning Based Hierarchical Control Framework for Human-Robot Collaboration. <i>IEEE Transactions on Automation Science and Engineering</i> , <b>2022</b> , 1-12	4.9	0
539	Dynamic prescribed performance sliding mode control for DC-DC buck converter system with mismatched time-varying disturbances.. <i>ISA Transactions</i> , <b>2022</b> ,	5.5	5
538	A Label-Free Colorimetric Assay Based on Gold Nanoparticles for the Detection of H <sub>2</sub> O <sub>2</sub> and Glucose. <i>Chemosensors</i> , <b>2022</b> , 10, 100	4	2
537	Formation Control for Leader-Follower Wheeled Mobile Robots Based on Embedded Control Technique. <i>IEEE Transactions on Control Systems Technology</i> , <b>2022</b> , 1-16	4.8	
536	Distributed Finite-Time Optimization for Disturbed Second-Order Multiagent Systems. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 4634-4647	10.2	9
535	Signal generator based finite-time formation control for disturbed heterogeneous multi-agent systems. <i>Journal of the Franklin Institute</i> , <b>2021</b> , 359, 1041-1041	4	0
534	Adaptive Event-Triggered Decentralized Dynamic Output Feedback Control for Load Frequency Regulation of Power Systems With Communication Delays. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 1-13	7.3	1
533	Periodic Event-Triggered Control for a Class of Nonminimum-Phase Nonlinear Systems Using Dynamic Triggering Mechanism. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2021</b> , 1-10	3.9	1
532	Event-triggered state feedback control for p-normal uncertain nonlinear systems. <i>International Journal of Systems Science</i> , <b>2021</b> , 52, 1284-1296	2.3	0
531	Experimental research and mechanical analysis on the bond-slip behavior between concrete and corroded I-shaped steel. <i>Structural Concrete</i> , <b>2021</b> , 22, 2358-2372	2.6	1

530	Screening of Xanthine Oxidase Inhibitors by Liquid Crystal-Based Assay Assisted with Enzyme Catalysis-Induced Aptamer Release. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 6151-6157	7.8	4
529	Analysis of the Mechanical Characteristics of Different Track Bed Types in Heavy-Haul Railway Tunnels. <i>Mathematical Problems in Engineering</i> , <b>2021</b> , 2021, 1-11	1.1	1
528	Theoretical study on amplifying strong exciton-photon coupling based on surface plasmon in a hybridized perovskite nanowire-metal film-perovskite nanowire structure. <i>Modern Physics Letters B</i> , <b>2021</b> , 35, 2150336	1.6	
527	Adaptive Terminal Sliding Mode Control for Magnetic Levitation Systems With Enhanced Disturbance Compensation. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 756-766	8.9	20
526	Contour Tracking Control of Networked Motion Control System Using Improved Equivalent-Input-Disturbance Approach. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 5155-5165	8.9	9
525	A Disturbance Observer-Based Current-Constrained Controller for Speed Regulation of PMSM Systems Subject to Unmatched Disturbances. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 767-775	8.9	28
524	SR $\hat{\rho}$ -Print: A System Residuals-Based Fingerprinting for Attack Detection in Industrial Cyber-Physical Systems. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 11458-11469	8.9	3
523	Performance Evaluation of Distributed Linear Regression Kalman Filtering Fusion. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 66, 2889-2896	5.9	3
522	Invariant Manifold Based Output-Feedback Sliding Mode Control for Systems With Mismatched Disturbances. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2021</b> , 68, 933-937	3.5	6
521	Immersion and Invariance-based Sliding Mode Attitude Control of Tilt Tri-rotor UAV in Helicopter Mode. <i>International Journal of Control, Automation and Systems</i> , <b>2021</b> , 19, 722-735	2.9	3
520	Robust converter-fed motor control based on active rejection of multiple disturbances. <i>Control Engineering Practice</i> , <b>2021</b> , 107, 104696	3.9	9
519	Vision-based neural predictive tracking control for multi-manipulator systems with parametric uncertainty. <i>ISA Transactions</i> , <b>2021</b> , 110, 247-257	5.5	8
518	Surface modification via 2-thenoyltrifluoroacetone and the photophysical studies. <i>Chemical Papers</i> , <b>2021</b> , 75, 873-881	1.9	1
517	Active Security Control Approach Against DoS Attacks in Cyber-Physical Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 66, 4303-4310	5.9	11
516	Distributed Data-Driven Intrusion Detection for Sparse Stealthy FDI Attacks in Smart Grids. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2021</b> , 68, 993-997	3.5	11
515	Reduced-order Generalized Proportional Integral Observer Based Continuous Dynamic Sliding Mode Control for Magnetic Levitation System with Time-varying Disturbances. <i>International Journal of Control, Automation and Systems</i> , <b>2021</b> , 19, 439-448	2.9	2
514	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 51, 3148-3158	7.3	8
513	Towards Sensorless Interaction Force Estimation for Industrial Robots Using High-Order Finite-Time Observers. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	3

512	Online Modeling of the CNC Engraving System With Dead-Zone Input Nonlinearity. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	0
511	Predictor-Based Periodic Event-Triggered Control for Dual-Rate Networked Control Systems With Disturbances. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	3
510	A modular optimal formation control scheme of multi-agent systems with application to multiple mobile robots. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	3
509	A Model-Based Unmatched Disturbance Rejection Control Approach for Speed Regulation of a Converter-Driven DC Motor Using Output-Feedback. <i>IEEE/CAA Journal of Automatica Sinica</i> , <b>2021</b> , 1-12	7	0
508	Composite Control Design for Systems With Uncertainties and Noise Using Combined Extended State Observer and Kalman Filter. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	7
507	Finite-time output feedback stabilization for a class of output-constrained planar switched systems. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2021</b> , 1-1	3.5	4
506	Energy-Constrained Confidentiality Fusion Estimation Against Eavesdroppers. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2021</b> , 1-1	3.5	1
505	Fe-Mn Oxides Based Multifunctional Adsorptive/Electrosensing Nanoplatfoms: Dynamic Site Rearrangement for Metal Ion Selectivity. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 3967-3975	10.3	1
504	Robust predictive visual servoing control for an inertially stabilized platform with uncertain kinematics. <i>ISA Transactions</i> , <b>2021</b> , 114, 347-358	5.5	4
503	An integrated liquid crystal sensing device assisted by the surfactant-embedded smart hydrogel. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 187, 113313	11.8	11
502	. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 66, 4424-4431	5.9	2
501	Dynamic Control of Sacrificial Bond Transformation in the Fe-N-C Single-Atom Catalyst for Molecular Oxygen Reduction. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 25296-25301	16.4	8
500	Hydrogel-assisted paper-based lateral flow sensor for the detection of trypsin in human serum. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 192, 113548	11.8	8
499	Meta-WF: Meta-Learning-based Few-Shot Wireless Impersonation Detection for Wi-Fi Networks. <i>IEEE Communications Letters</i> , <b>2021</b> , 1-1	3.8	0
498	Active Disturbance Rejection Control Design With Suppression of Sensor Noise Effects in Application to DCDC Buck Power Converter. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	15
497	A pendant droplet-based sensor for the detection of acetylcholinesterase and its inhibitors.. <i>Chemical Communications</i> , <b>2021</b> , 57, 8909-8912	5.8	0
496	Finite-time tracking control for a class of nonlinear systems with multiple mismatched disturbances. <i>International Journal of Robust and Nonlinear Control</i> , <b>2020</b> , 30, 4095-4111	3.6	11
495	Effects of ambient pressure on smoke movement patterns in vertical shafts in tunnel fires with natural ventilation systems. <i>Building Simulation</i> , <b>2020</b> , 13, 931-941	3.9	15

494	Morphological transformation of ultrasonically obtained nanofibers during living self-assembly. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 10813-10818	3.6	4
493	Event-triggered tracking control for nonlinear systems subject to time-varying external disturbances. <i>Automatica</i> , <b>2020</b> , 119, 109070	5.7	14
492	Distributed Finite-Time Optimization for Integrator Chain Multiagent Systems With Disturbances. <i>IEEE Transactions on Automatic Control</i> , <b>2020</b> , 65, 5296-5311	5.9	38
491	Composite control of fuel quantity actuator system for diesel engines via backstepping control technique and generalised proportional integral observer. <i>IET Control Theory and Applications</i> , <b>2020</b> , 14, 605-613	2.5	1
490	On the Actuator Dynamics of Dynamic Control Allocation for a Small Fixed-Wing UAV With Direct Lift Control. <i>IEEE Transactions on Control Systems Technology</i> , <b>2020</b> , 28, 984-991	4.8	14
489	Finite-time path following control for small-scale fixed-wing UAVs under wind disturbances. <i>Journal of the Franklin Institute</i> , <b>2020</b> , 357, 7879-7903	4	5
488	Liquid crystal-based sensing platform for detection of Pb assisted by DNAzyme and rolling circle amplification. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 400, 123218	12.8	24
487	Continuous dynamic sliding mode control of converter-fed DC motor system with high order mismatched disturbance compensation. <i>Transactions of the Institute of Measurement and Control</i> , <b>2020</b> , 42, 2812-2821	1.8	10
486	Consensus control of higher-order Lipschitz non-linear multi-agent systems based on backstepping method. <i>IET Control Theory and Applications</i> , <b>2020</b> , 14, 490-498	2.5	6
485	Composite sliding-mode consensus algorithms for higher-order multi-agent systems subject to disturbances. <i>IET Control Theory and Applications</i> , <b>2020</b> , 14, 291-303	2.5	2
484	Simultaneous Detection of Multiple Tumor Markers in Blood by Functional Liquid Crystal Sensors Assisted with Target-Induced Dissociation of Aptamer. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 3867-3873	7.8	36
483	Reduced-order extended state observer based event-triggered sliding mode control for DC-DC buck converter system With parameter perturbation. <i>Asian Journal of Control</i> , <b>2020</b> , 23, 1591	1.7	7
482	Finite-time consensus algorithms of leader-follower higher-order multi-agent systems with uncertain nonlinearities. <i>Journal of the Franklin Institute</i> , <b>2020</b> , 357, 11939-11952	4	9
481	High-Precision Contour-Tracking Control of Ethernet-Based Networked Motion Control Systems. <i>IEEE Journal of Industry Applications</i> , <b>2020</b> , 9, 1-10	0.7	1
480	Active disturbance rejection control of torsional plant with unknown frequency harmonic disturbance. <i>Control Engineering Practice</i> , <b>2020</b> , 100, 104413	3.9	17
479	Detection of organophosphorus pesticides with liquid crystals supported on the surface deposited with polyoxometalate-based acetylcholinesterase-responsive supramolecular spheres. <i>Food Chemistry</i> , <b>2020</b> , 320, 126683	8.5	9
478	Feedback Linearization-Based Perimeter Controllers for Oversaturated Regions. <i>IEEE Intelligent Transportation Systems Magazine</i> , <b>2020</b> , 0-0	2.6	3
477	Design of Output-Based Finite-Time Convergent Composite Controller for a Class of Perturbed Second-Order Nonlinear Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2020</b> , 1-11	7.3	6

476	Friction-Compensation and Extended State Observer Based Model Predictive Control for PMSM Servo Systems. <i>IEEJ Journal of Industry Applications</i> , <b>2020</b> , 9, 351-357	0.7	2
475	Extended State based Kalman Filter for Uncertain Systems with Bias. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 2299-2304	2.7	1
474	Non-linear-disturbance-observer-enhanced MPC for motion control systems with multiple disturbances. <i>IET Control Theory and Applications</i> , <b>2020</b> , 14, 63-72	2.5	10
473	Semiglobal Finite-Time Trajectory Tracking Realization for Disturbed Nonlinear Systems via Higher-Order Sliding Modes. <i>IEEE Transactions on Automatic Control</i> , <b>2020</b> , 65, 2185-2191	5.9	13
472	Discrete-Time Fast Terminal Sliding Mode Control Design for DCDC Buck Converters With Mismatched Disturbances. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 1204-1213	11.9	35
471	Reduced-order GPIO based dynamic event-triggered tracking control of a networked one-DOF link manipulator without velocity measurement. <i>IEEE/CAA Journal of Automatica Sinica</i> , <b>2020</b> , 7, 725-734	7	11
470	Semiglobal output feedback control for uncertain nontriangular nonlinear systems with sector-bounded unknown measurement. <i>International Journal of Robust and Nonlinear Control</i> , <b>2020</b> , 30, 1-16	3.6	4
469	Continuous Nonsingular Terminal Sliding Mode Control of DCDC Boost Converters Subject to Time-Varying Disturbances. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2020</b> , 67, 2552-2556	3.5	16
468	Universal finite-time observer based second-order sliding mode control for DC-DC buck converters with only output voltage measurement. <i>Journal of the Franklin Institute</i> , <b>2020</b> , 357, 11863-11879	4	10
467	Linear Fusion Estimation for Range-Only Target Tracking With Nonlinear Transformation. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 6403-6412	11.9	4
466	Study of smoke movement characteristics in tunnel fires in high-altitude areas. <i>Fire and Materials</i> , <b>2020</b> , 44, 65-75	1.8	5
465	Distributed Optimization for Disturbed Second-Order Multiagent Systems Based on Active Antidisturbance Control. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2020</b> , 31, 2104-2117	10.3	15
464	A distributed fixed-time optimization algorithm for multi-agent systems. <i>Automatica</i> , <b>2020</b> , 122, 109289-5	5.7	11
463	Sensor attack detection for cyber-physical systems based on frequency domain partition. <i>IET Control Theory and Applications</i> , <b>2020</b> , 14, 1452-1466	2.5	7
462	Event-triggered output consensus disturbance rejection algorithm for multi-agent systems with time-varying disturbances. <i>Journal of the Franklin Institute</i> , <b>2020</b> , 357, 12870-12885	4	6
461	Sunlight-Driven Self-Organized Helical Superstructure Chromotropic Device. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 2001207	8.1	3
460	Disturbance observer-based autonomous landing control of unmanned helicopters on moving shipboard. <i>Nonlinear Dynamics</i> , <b>2020</b> , 102, 131-150	5	5
459	<b>2020</b> ,		1

458	Realization of Exact Tracking Control for Nonlinear Systems via a Nonrecursive Dynamic Design. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2020</b> , 50, 577-589	7.3	7
457	Output-Based Dynamic Event-Triggered Mechanisms for Disturbance Rejection Control of Networked Nonlinear Systems. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 1978-1988	10.2	30
456	Study of the basement structure load under the dynamic loading of heavy-haul railway tunnel. <i>International Journal of Pavement Engineering</i> , <b>2020</b> , 21, 1362-1373	2.6	4
455	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 3133-3144	11.9	10
454	Nonlinearity Estimator-Based Control of A Class of Uncertain Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2020</b> , 65, 2230-2236	5.9	18
453	Effects of ambient pressure on the critical velocity and back-layering length in longitudinal ventilated tunnel fire. <i>Indoor and Built Environment</i> , <b>2020</b> , 29, 1017-1027	1.8	8
452	Modeling and Robust Continuous TSM Control for an Inertially Stabilized Platform With Couplings. <i>IEEE Transactions on Control Systems Technology</i> , <b>2020</b> , 28, 2548-2555	4.8	14
451	GESO-Based Position Synchronization Control of Networked Multiaxis Motion System. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 248-257	11.9	6
450	Two composite guidance laws based on the backstepping control and disturbance observers with autopilot lag. <i>Transactions of the Institute of Measurement and Control</i> , <b>2019</b> , 41, 2957-2969	1.8	2
449	Output feedback continuous terminal sliding mode guidance law for missile-target interception with autopilot dynamics. <i>Aerospace Science and Technology</i> , <b>2019</b> , 86, 256-267	4.9	30
448	Research on the Earth Pressure and Internal Force of a High-Fill Open-Cut Tunnel Using a Bilayer Lining Design: A Field Test Using an FBG Automatic Data Acquisition System. <i>Sensors</i> , <b>2019</b> , 19,	3.8	5
447	Finite-time boundedness and finite-time weighted L2-gain analysis for a class of neutral type switched systems with time-varying delays. <i>International Journal of Systems Science</i> , <b>2019</b> , 50, 1703-1717 <sup>2-3</sup>		4
446	Expression of AHI1 Rescues Amyloidogenic Pathology in Alzheimer's Disease Model Cells. <i>Molecular Neurobiology</i> , <b>2019</b> , 56, 7572-7582	6.2	5
445	Globally exponential stabilization for a class of nonlinear systems with time delays both in nonlinearities and input. <i>Applied Mathematics and Computation</i> , <b>2019</b> , 359, 478-489	2.7	4
444	A CRISPR monkey model unravels a unique function of PINK1 in primate brains. <i>Molecular Neurodegeneration</i> , <b>2019</b> , 14, 17	19	16
443	GPI observer-based composite current-constrained control approach for DCDC buck converters. <i>Journal of Engineering</i> , <b>2019</b> , 2019, 581-586	0.7	3
442	Three-dimensional suboptimal guidance law based on $\mathcal{H}_\infty$ technique and nonlinear disturbance observer. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , <b>2019</b> , 233, 5122-5133	0.9	2
441	Antibacterial Thin-Film Nanocomposite Membranes Incorporated with Graphene Oxide Quantum Dot-Mediated Silver Nanoparticles for Reverse Osmosis Application. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 8724-8734	8.3	37

440	Predictive control for visual servoing control of cyber physical systems with packet loss. <i>Peer-to-Peer Networking and Applications</i> , <b>2019</b> , 12, 1774-1784	3.1	3
439	Mutant Ahi1 Affects Retinal Axon Projection in Zebrafish Toxic Gain of Function. <i>Frontiers in Cellular Neuroscience</i> , <b>2019</b> , 13, 81	6.1	6
438	A Simple Current-Constrained Controller for Permanent-Magnet Synchronous Motor. <i>IEEE Transactions on Industrial Informatics</i> , <b>2019</b> , 15, 1486-1495	11.9	24
437	A New Approach to Linear/Nonlinear Distributed Fusion Estimation Problem. <i>IEEE Transactions on Automatic Control</i> , <b>2019</b> , 64, 1301-1308	5.9	33
436	A New Second-Order Sliding Mode and Its Application to Nonlinear Constrained Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2019</b> , 64, 2545-2552	5.9	113
435	Detection of Biomarkers in Blood Using Liquid Crystals Assisted with Aptamer-Target Recognition Triggered in Situ Rolling Circle Amplification on Magnetic Beads. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 11653-11660	7.8	26
434	A GESO based MPC approach to contour error control of networked motion control system. <i>International Journal of Systems Science</i> , <b>2019</b> , 50, 2216-2225	2.3	0
433	Analysis of Test Volume Size in 3D MIMO OTA for 5G <b>2019</b> ,		1
432	Sliding Mode Control of Converter-fed DC Motor with Mismatched Load Torque Compensation <b>2019</b> ,		6
431	Finite-time control for double-layer Peltier system based on finite-time observer. <i>Advances in Mechanical Engineering</i> , <b>2019</b> , 11, 168781401983685	1.2	1
430	Output feedback based simultaneous stabilization of two Port-controlled Hamiltonian systems with disturbances. <i>Journal of the Franklin Institute</i> , <b>2019</b> , 356, 8154-8166	4	13
429	High-Efficiency and Reliable Smart Photovoltaic Windows Enabled by Multiresponsive Liquid Crystal Composite Films and Semi-Transparent Perovskite Solar Cells. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1900720	21.8	15
428	Robust Finite-Time Trajectory Tracking Control of Wheeled Mobile Robots with Parametric Uncertainties and Disturbances. <i>Journal of Systems Science and Complexity</i> , <b>2019</b> , 32, 1358-1374	1	7
427	Proteomic Landscape Has Revealed Small Rubber Particles Are Crucial Rubber Biosynthetic Machines for Ethylene-Stimulation in Natural Rubber Production. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	6
426	Experimental Study on Bond-Slip Behavior between Corroded I-Shaped Steel and Concrete in Subsea Tunnel. <i>Materials</i> , <b>2019</b> , 12,	3.5	3
425	Smart Photovoltaic Windows: High-Efficiency and Reliable Smart Photovoltaic Windows Enabled by Multiresponsive Liquid Crystal Composite Films and Semi-Transparent Perovskite Solar Cells (Adv. Energy Mater. 33/2019). <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1970129	21.8	
424	Continuous finite-time TSM control for electronic throttle system. <i>Journal of Engineering</i> , <b>2019</b> , 2019, 8383-8389	0.7	
423	Caspase-4 mediates cytoplasmic accumulation of TDP-43 in the primate brains. <i>Acta Neuropathologica</i> , <b>2019</b> , 137, 919-937	14.3	20



422	Use of large animal models to investigate Huntington's diseases. <i>Cell Regeneration</i> , <b>2019</b> , 8, 9-11	2.5	5
421	CRISPR/Cas9-mediated PINK1 deletion leads to neurodegeneration in rhesus monkeys. <i>Cell Research</i> , <b>2019</b> , 29, 334-336	24.7	32
420	Design and implementation of GPI observer based sliding mode control for DC-DC buck converter* <b>2019</b> ,		3
419	GPI0-based rail pressure control for diesel high pressure common rail injection system. <i>Journal of Engineering</i> , <b>2019</b> , 2019, 8293-8298	0.7	1
418	Height and attitude tracking control of an unmanned helicopter via a HDOB-backstepping composite control method. <i>Journal of Engineering</i> , <b>2019</b> , 2019, 8303-8309	0.7	1
417	Observer-Based Output Feedback Stabilization for Perturbed Second-Order Uncertain System with Finite-Time Convergence <b>2019</b> ,		1
416	An Offset-free Model Predictive Controller for DC/DC Boost Converter Feeding Constant Power Loads in DC Microgrids <b>2019</b> ,		3
415	Continuous Finite-Time Sliding Mode Control for Uncertain Nonlinear Systems with Applications to DC-DC Buck Converters. <i>Asian Journal of Control</i> , <b>2019</b> , 21, 312-322	1.7	8
414	Construction of a Liquid Crystal-Based Sensing Platform for Sensitive and Selective Detection of l-Phenylalanine Based on Alkaline Phosphatase. <i>Langmuir</i> , <b>2019</b> , 35, 461-467	4	11
413	Composite block backstepping trajectory tracking control for disturbed unmanned helicopters. <i>Aerospace Science and Technology</i> , <b>2019</b> , 85, 386-398	4.9	20
412	Expression and Localization of Huntingtin-Associated Protein 1 (HAP1) in the Human Digestive System. <i>Digestive Diseases and Sciences</i> , <b>2019</b> , 64, 1486-1492	4	4
411	Robust Predictive Speed Regulation of Converter-Driven DC Motors via a Discrete-Time Reduced-Order GPI0. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 7893-7903	8.9	47
410	Consensus of Second-order Multi-agent Systems with Directed Networks Using Relative Position Measurements Only. <i>International Journal of Control, Automation and Systems</i> , <b>2019</b> , 17, 85-93	2.9	8
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311	Global Stabilization for A Class of Nonlinear Systems with Time Delays via Sampled-Data Output Feedback * *This work is supported by the National Natural Science Foundation of China under grant nos. 61473080, 61673153, 61503078, 61628302 and 61504027, the NSF of Jiangsu Province (BK20140647), the Fundamental Research Funds for the Central Universities and the Priority	0.7	
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302	Finite-time control for DC-AC inverter system with mismatched disturbances using continuous nonsingular terminal sliding modes <b>2016</b> ,		1
301	Distributed finite-time consensus algorithms for leader-follower second-order multi-agent systems with mismatched disturbances* <b>2016</b> ,		3
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262	Interval homogeneous domination approach for global stabilization of nonlinear systems with time-varying powers <b>2016</b> ,		3
261	Drag-based composite super-twisting sliding mode control law design for Mars entry guidance. <i>Advances in Space Research</i> , <b>2016</b> , 57, 2508-2518	2.4	12

260	GPIO-Based Robust Control of Nonlinear Uncertain Systems Under Time-Varying Disturbance With Application to DCDC Converter. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2016</b> , 63, 1074-1078	3.5	42
259	Output-based disturbance rejection control for non-linear uncertain systems with unknown frequency disturbances using an observer backstepping approach. <i>IET Control Theory and Applications</i> , <b>2016</b> , 10, 1052-1060	2.5	29
258	Finite-time disturbance observer based non-singular terminal sliding-mode control for pulse width modulation based DCDC buck converters with mismatched load disturbances. <i>IET Power Electronics</i> , <b>2016</b> , 9, 1995-2002	2.2	63
257	Finite-time output feedback control for a pneumatic servo system. <i>Transactions of the Institute of Measurement and Control</i> , <b>2016</b> , 38, 1520-1534	1.8	5
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253	Stabilisation for a class of high-order non-linear systems with output constraints. <i>IET Control Theory and Applications</i> , <b>2016</b> , 10, 2128-2135	2.5	28
252	Compartment-Dependent Degradation of Mutant Huntingtin Accounts for Its Preferential Accumulation in Neuronal Processes. <i>Journal of Neuroscience</i> , <b>2016</b> , 36, 8317-28	6.6	26
251	Continuous Finite-Time Output Regulation for Disturbed Systems Under Mismatching Condition. <i>IEEE Transactions on Automatic Control</i> , <b>2015</b> , 60, 277-282	5.9	154
250	Design and implementation of chattering free sliding mode control method for PMSM speed regulation system <b>2015</b> ,		2
249	A cationic surfactant-decorated liquid crystal sensing platform for simple and sensitive detection of acetylcholinesterase and its inhibitor. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 72, 25-30	11.8	42
248	Wormlike micelles with photoresponsive viscoelastic behavior formed by surface active ionic liquid/azobenzene derivative mixed solution. <i>Langmuir</i> , <b>2015</b> , 31, 3789-98	4	55
247	Distributed Fusion Estimation With Communication Bandwidth Constraints. <i>IEEE Transactions on Automatic Control</i> , <b>2015</b> , 60, 1398-1403	5.9	48
246	Finite-Time Output Feedback Tracking Control for Autonomous Underwater Vehicles. <i>IEEE Journal of Oceanic Engineering</i> , <b>2015</b> , 40, 727-751	3.3	99
245	Postnatal loss of hap1 reduces hippocampal neurogenesis and causes adult depressive-like behavior in mice. <i>PLoS Genetics</i> , <b>2015</b> , 11, e1005175	6	17
244	Model-Based Predictive Direct Control Strategies for Electrical Drives: An Experimental Evaluation of PTC and PCC Methods. <i>IEEE Transactions on Industrial Informatics</i> , <b>2015</b> , 11, 671-681	11.9	184
243	Efficient and selective removal of dyes using imidazolium-based supramolecular gels. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 10258-65	9.5	107

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239	Large Polyglutamine Repeats Cause Muscle Degeneration in SCA17 Mice. <i>Cell Reports</i> , <b>2015</b> , 13, 196-208	10.6	27
238	Nonlinear consensus algorithms for second-order multi-agent systems with mismatched disturbances <b>2015</b> ,		2
237	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2015</b> , 62, 5807-5816	8.9	129
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216	Global decentralized stabilization for a class of large-scale feedforward nonlinear systems <b>2015</b> ,		1
215	Decentralized output feedback control of a class of nonlinear systems with unsynchronized sampling instants <b>2015</b> ,		2
214	Nonlinear disturbance observer based sliding mode control for PWM-based DC-DC boost converter systems <b>2015</b> ,		4
213	Composite nonlinear predictive control based on finite-time disturbance observer for Mars entry vehicle <b>2015</b> ,		1
212	Disturbance rejection control method based on composite disturbance observer for permanent magnet synchronous motor <b>2015</b> ,		5
211	New families of high-order sliding-mode controllers <b>2015</b> ,		5
210	Suppression of servo system mechanical resonance based on adaptive IIR notch filter <b>2015</b> ,		2
209	Information Fusion Estimation for spatially distributed cyber-physical systems with communication delay and bandwidth constraints <b>2015</b> ,		5
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195	Extended state observer based control for DC-DC buck converters subject to mismatched disturbances <b>2014</b> ,		5
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176	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2014</b> , 50, 1765-1773	3.7	55
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174	Multi-sensor-based H <sub>∞</sub> estimation in heterogeneous sensor networks with stochastic competitive transmission and random sensor failures. <i>IET Control Theory and Applications</i> , <b>2014</b> , 8, 202-210	2.5	3
173	Decentralized sampled-data control of interconnected systems using low gain and high gain output feedback <b>2014</b> ,		1
172	Iterative learning control with extended state observer for iteration-varying disturbance rejection <b>2014</b> ,		1
171	Distributed fault estimation of networked systems using quantized measurements <b>2014</b> ,		3

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169	Species-dependent neuropathology in transgenic SOD1 pigs. <i>Cell Research</i> , <b>2014</b> , 24, 464-81	24.7	27
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150	Control-oriented modeling and real-time control for the ozone dosing process of drinking water treatment. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 2197-203	10.3	6
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143	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2013</b> , 60, 160-169	8.9	764
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