

Xinghuo Yu

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.

650
papers

24,661
citations

78
h-index

142
g-index

787
ext. papers

31,426
ext. citations

5.1
avg. IF

7.87
L-index

#	Paper	IF	Citations
650	Free-will Arbitrary Time Terminal Sliding Mode Control. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2022 , 1-1	3.5	1
649	Nonsmooth Observer-Based Sensorless Speed Control for Permanent Magnet Synchronous Motor. <i>IEEE Transactions on Industrial Electronics</i> , 2022 , 1-1	8.9	0
648	Enhancing Voltage Compliance in Distribution Network under Cloud and Edge Computing Framework. <i>IEEE Transactions on Cloud Computing</i> , 2022 , 1-1	3.3	
647	. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2022 , 9, 123-134	7	5
646	Sliding Mode Based Robust Output Regulation and Its Application in PMSM Servo Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2022 , 1-1	8.9	0
645	Practical Terminal Sliding Mode Control and its Applications in Servo Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2022 , 1-1	8.9	6
644	Formation control for unmanned surface vessels: A game-theoretic approach. <i>Asian Journal of Control</i> , 2022 , 24, 498-509	1.7	1
643	An efficient, open-bid procurement auction for small-scale electricity markets. <i>Applied Energy</i> , 2022 , 314, 118867	10.7	
642	Resilient Model Predictive Adaptive Control of Networked Z-source Inverters using GMDH. <i>IEEE Transactions on Smart Grid</i> , 2022 , 1-1	10.7	1
641	Ensemble Classification Model for EV Identification from Smart Meter Recordings. <i>IEEE Transactions on Industrial Informatics</i> , 2022 , 1-1	11.9	
640	Distributed Event-Based Control for Thermostatically Controlled Loads Under Hybrid Cyber Attacks. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 5314-5327	10.2	8
639	Optimization of Communication Network Topology in Distributed Control Systems Subject to Prescribed Decay Rate. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 4277-4285	10.2	3
638	Performance Analysis of Long Short-Term Memory-Based Markovian Spectrum Prediction. <i>IEEE Access</i> , 2021 , 9, 149582-149595	3.5	0
637	Distributed Time-Varying Optimization of Second-Order Multiagent Systems Under Limited Interaction Ranges. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	2
636	Distributed Optimal Cooperation for Multiple High-Order Nonlinear Systems With Lipschitz-Type Gradients: Static and Adaptive State-Dependent Designs. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-11	7.3	
635	Delta-operator Based Reaching Laws for Sliding Mode Control Design. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021 , 1-1	3.5	0
634	Resilient event-triggered control strategies for second-order consensus. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	4

633	A Super-Twisting-Like Fractional Controller for SPMSM Drive System. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	15
632	Frequency-response of Non-singular Terminal Sliding Mode Control with Actuators. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021 , 1-1	3.5	0
631	On Fixed-Time Convergent Sliding Mode Control Design and Applications. <i>Studies in Systems, Decision and Control</i> , 2021 , 203-237	0.8	
630	Simplifying Complex Network Stability Analysis via Hierarchical Node Aggregation and Optimal Periodic Control. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 3098-3107	10.3	1
629	Continuous-Time Distributed Proximal Gradient Algorithms for Nonsmooth Resource Allocation Over General Digraphs. <i>IEEE Transactions on Network Science and Engineering</i> , 2021 , 8, 1733-1744	4.9	6
628	Fast Distributed Average Tracking in Multiagent Networks: The Case With General Linear Agent Dynamics. <i>IEEE Transactions on Control of Network Systems</i> , 2021 , 8, 997-1009	4	6
627	Data-Driven Planning of Electric Vehicle Charging Infrastructure: A Case Study of Sydney, Australia. <i>IEEE Transactions on Smart Grid</i> , 2021 , 12, 3289-3304	10.7	26
626	Local Measurement Based Formation Navigation of Nonholonomic Robots With Globally Bounded Inputs and Collision Avoidance. <i>IEEE Transactions on Network Science and Engineering</i> , 2021 , 8, 2342-2354	4.9	0
625	Fully Distributed Anti-Windup Consensus Protocols for Linear MASs With Input Saturation: The Case With Directed Topology. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 2359-2371	10.2	11
624	. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 3359-3369	8.9	8
623	Review on Oscillatory Stability in Power Grids With Renewable Energy Sources: Monitoring, Analysis, and Control Using Synchrophasor Technology. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 519-531	8.9	17
622	A Novel Secondary Power Management Strategy for Multiple AC Microgrids With Cluster-Oriented Two-Layer Cooperative Framework. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 1483-1495	11.9	23
621	Bounded Synchronization of Heterogeneous Complex Dynamical Networks: A Unified Approach. <i>IEEE Transactions on Automatic Control</i> , 2021 , 66, 1756-1762	5.9	10
620	Hybrid Neural Adaptive Control for Practical Tracking of Markovian Switching Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 2157-2168	10.3	0
619	Synchronization of Resilient Complex Networks Under Attacks. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 1116-1127	7.3	29
618	Averaging Techniques for Balancing Learning and Tracking Abilities Over Fading Channels. <i>IEEE Transactions on Automatic Control</i> , 2021 , 66, 2636-2651	5.9	4
617	Euler's Discretization Effect on a Sliding-Mode Control System With Supertwisting Algorithm. <i>IEEE Transactions on Automatic Control</i> , 2021 , 66, 2817-2824	5.9	6
616	Invariant Manifold Based Output-Feedback Sliding Mode Control for Systems With Mismatched Disturbances. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021 , 68, 933-937	3.5	6

615	Learning Tracking Control Over Unknown Fading Channels Without System Information. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 2721-2732	10.3	2
614	Second-Order Sliding Mode Control Design Subject to an Asymmetric Output Constraint. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021 , 68, 1278-1282	3.5	29
613	Virtual power plants for a sustainable urban future. <i>Sustainable Cities and Society</i> , 2021 , 65, 102640	10.1	13
612	Terminal Sliding Mode Control [An Overview]. <i>IEEE Open Journal of the Industrial Electronics Society</i> , 2021 , 2, 36-52	3.6	29
611	Game Theoretic-Based Distributed Charging Strategy for PEVs in a Smart Charging Station. <i>IEEE Transactions on Smart Grid</i> , 2021 , 12, 538-547	10.7	15
610	Characteristic Model-Based Control Approach for Complex Network Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 3599-3607	7.3	1
609	Iterative Learning Tracking for Multisensor Systems: A Weighted Optimization Approach. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 1286-1299	10.2	9
608	Unified Stability Analysis for Ito Stochastic Systems: From Almost Surely Asymptotic to Finite-Time Convergence. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	1
607	Modeling and Control of Islanded DC Microgrid Clusters With Hierarchical Event-Triggered Consensus Algorithm. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2021 , 68, 376-386	3.9	23
606	Adaptive Second-order Sliding Mode Control: A Lyapunov Approach. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	12
605	Artificial Delayed Output Twisting Algorithm. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021 , 1-1	3.5	
604	Recent progress on the study of distributed economic dispatch in smart grid: an overview. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2021 , 22, 25-39	2.2	5
603	Blockchain: What Does It Mean to Industrial Electronics?: Technologies, Challenges, and Opportunities. <i>IEEE Industrial Electronics Magazine</i> , 2021 , 2-12	6.2	2
602	Resilient Consensus of Multiagent Systems Under Malicious Attacks: Appointed-Time Observer-Based Approach. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	7
601	Trusted-Region Subsequence Reduction for Designing Resilient Consensus Algorithms. <i>IEEE Transactions on Network Science and Engineering</i> , 2021 , 8, 259-268	4.9	3
600	Sliding Mode Control of Networked Control Systems: An Auxiliary Matrices Based Approach. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	8
599	Adaptive Event-Triggered Strategy for Economic Dispatch in Uncertain Communication Networks. <i>IEEE Transactions on Control of Network Systems</i> , 2021 , 1-1	4	1
598	Robust Distributed Average Tracking for Disturbed Second-Order Multiagent Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-13	7.3	2

597	Resilient Consensus of Higher-order Multi-agent Networks: An Attack-isolation-based Approach. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	3
596	Distributed Online Bandit Learning in Dynamic Environments over Unbalanced Digraphs. <i>IEEE Transactions on Network Science and Engineering</i> , 2021 , 1-1	4.9	2
595	Data-Driven Stochastic Game With Social Attributes for Peer-to-Peer Energy Sharing. <i>IEEE Transactions on Smart Grid</i> , 2021 , 1-1	10.7	0
594	A Survey on Event-Triggered Sliding Mode Control. <i>IEEE Journal of Emerging and Selected Topics in Industrial Electronics</i> , 2021 , 2, 206-217	2.6	5
593	Characteristic Modeling Approach for High-Order Linear Dynamical Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 5405-5413	7.3	0
592	Nonsmooth Resource Allocation of Multiagent Systems With Disturbances: A Proximal Approach. <i>IEEE Transactions on Control of Network Systems</i> , 2021 , 8, 1454-1464	4	4
591	. <i>IEEE Transactions on Automatic Control</i> , 2021 , 66, 4424-4431	5.9	2
590	Continuous detection of concept drift in industrial cyber-physical systems using closed loop incremental machine learning. <i>Discover Artificial Intelligence</i> , 2021 , 1, 1		1
589	Distributed Resource Allocation via Accelerated Saddle Point Dynamics. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2021 , 8, 1588-1599	7	3
588	On Necessary and Sufficient Conditions for Exponential Consensus in Dynamic Networks via Uniform Complete Observability Theory. <i>IEEE Transactions on Automatic Control</i> , 2021 , 66, 4975-4981	5.9	0
587	Settling Time Estimation in Synchronization of Impulsive Networks With Switching Topologies. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-12	7.3	1
586	Parameter Estimation of Vehicle Batteries in V2G Systems: An Exogenous Function-Based Approach. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	2
585	Distributed Nash Equilibrium Seeking Under Event-Triggered Mechanism. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021 , 1-1	3.5	3
584	Vulnerability Assessment for Coupled Network Consisting of Power Grid and EV Traffic Network. <i>IEEE Transactions on Smart Grid</i> , 2021 , 1-1	10.7	2
583	Fuzzy Neighborhood Learning for Deep 3-D Segmentation of Point Cloud. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 28, 3181-3192	8.3	2
582	Voltage Control for Distribution Networks via Coordinated Regulation of Active and Reactive Power of DGs. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 4017-4031	10.7	23
581	A Bayesian Game Based Vehicle-to-Vehicle Electricity Trading Scheme for Blockchain-Enabled Internet of Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 6856-6868	6.8	29
580	Finite-Time Bipartite Tracking Control for Double-Integrator Networked Systems With Cooperative and Antagonistic Interactions. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2020 , 67, 5223-5232	3.9	9

579	Controller and Observer design for Chaotic Systems: A Vector Based Contraction Approach. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020 , 67, 3282-3286	3.5	1
578	. <i>IEEE Industrial Electronics Magazine</i> , 2020 , 14, 57-72	6.2	12
577	On Synchronization of Dynamical Systems Over Directed Switching Topologies: An Algebraic and Geometric Perspective. <i>IEEE Transactions on Automatic Control</i> , 2020 , 65, 5083-5098	5.9	40
576	A Robust [K, KL] Sector for Nonlinear System. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020 , 67, 2547-2551	3.5	5
575	. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 2746-2759	10.7	74
574	Distributed Rigidity Recovery in Distance-Based Formations Using Configuration Lattice. <i>IEEE Transactions on Control of Network Systems</i> , 2020 , 7, 1547-1558	4	1
573	Composite Super-twisting Sliding Mode Control Design for PMSM Speed Regulation Problem Based on a Novel Disturbance Observer. <i>IEEE Transactions on Energy Conversion</i> , 2020 , 1-1	5.4	66
572	Fully Distributed Adaptive NN-Based Consensus Protocol for Nonlinear MASs: An Attack-Free Approach. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , PP,	10.3	4
571	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> , 2020 , 1-11	7.3	6
570	Sliding-Mode Control of Uncertain Time-Varying Systems With State Delays: A Non-Negative Constraints Approach. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-9	7.3	4
569	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-13	7.3	7
568	Adaptive Attack-free Output-feedback Consensus Protocol for Nonlinear MASs 2020 ,		1
567	Spatiotemporal Anomaly Detection Using Deep Learning for Real-Time Video Surveillance. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 393-402	11.9	61
566	An Improved Sliding-Mode Current Control of Induction Machine in Presence of Voltage Constraints. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 1182-1191	11.9	13
565	On Consensus of Multiagent Systems With Input Saturation: Fully Distributed Adaptive Antiwindup Protocol Design Approach. <i>IEEE Transactions on Control of Network Systems</i> , 2020 , 7, 1127-1139	4	7
564	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-14	7.3	17
563	Coordination and Control of Complex Network Systems With Switching Topologies: A Survey. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-16	7.3	23
562	A Dynamic Robust Restoration Framework for Unbalanced Power Distribution Networks. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 6301-6312	11.9	5

561	Continuous distributed algorithms for solving linear equations in finite time. <i>Automatica</i> , 2020 , 113, 1083-1087	3.5	3
560	Leaderless Consensus of Ring-Networked Mobile Robots via Distributed Saturated Control. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 10723-10731	8.9	4
559	Finite-Time Stability of Network Systems With Discontinuous Dynamics Over Signed Digraphs. <i>IEEE Transactions on Automatic Control</i> , 2020 , 65, 4874-4881	5.9	6
558	Distributed Adaptive Observer-Based Control for Output Consensus of Heterogeneous MASs With Input Saturation Constraint. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2020 , 67, 995-1007	3.9	17
557	Finite-Time Stability for Network Systems With Nonlinear Protocols Over Signed Digraphs. <i>IEEE Transactions on Network Science and Engineering</i> , 2020 , 7, 1557-1569	4.9	14
556	A Newton Method-Based Distributed Algorithm for Multi-Area Economic Dispatch. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 986-996	7	16
555	Hierarchical Two-Stream Growing Self-Organizing Maps With Transience for Human Activity Recognition. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 7756-7764	11.9	11
554	Velocity and Input Constrained Coordination of Second-Order Multi-Agent Systems With Relative Output Information. <i>IEEE Transactions on Network Science and Engineering</i> , 2020 , 7, 1925-1938	4.9	14
553	Distributed Formation Navigation of Constrained Second-Order Multiagent Systems With Collision Avoidance and Connectivity Maintenance. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	15
552	Learning Tracking Over Unknown Fading Channels Based on Iterative Estimation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , PP,	10.3	1
551	Free-will Arbitrary Time Terminal Sliding Mode Control. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020 , 1-1	3.5	7
550	Distributed resource allocation: an indirect dual ascent method with an exponential convergence rate. <i>Nonlinear Dynamics</i> , 2020 , 102, 1685-1699	5	1
549	Structural Balance Preserving and Bipartite Static Consensus of Heterogeneous Agents in Cooperation-Competition Networks. <i>IEEE Transactions on Network Science and Engineering</i> , 2020 , 7, 3223-3234	4.9	6
548	Free-Will Arbitrary Time Consensus for Multiagent Systems. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	6
547	Finite-Iteration Tracking of Singular Coupled Systems Based on Learning Control With Packet Losses. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 245-255	7.3	19
546	Pinning a Complex Network to Follow a Target System With Predesigned Control Inputs. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 2293-2304	7.3	20
545	Robust Second-Order Consensus Using a Fixed-Time Convergent Sliding Surface in Multiagent Systems. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 846-855	10.2	24
544	Synchronization of the Networked System With Continuous and Impulsive Hybrid Communications. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 960-971	10.3	18

543	Distributed Convex Optimization on State-Dependent Undirected Graphs: Homogeneity Technique. <i>IEEE Transactions on Control of Network Systems</i> , 2020 , 7, 42-52	4	7
542	A Nine-Level Inverter for Low-Voltage Applications. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 1659-1671	7.2	12
541	. <i>IEEE Transactions on Control of Network Systems</i> , 2020 , 7, 254-265	4	26
540	Higher Order Sliding Mode Control-Based Finite-Time Constrained Stabilization. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020 , 67, 295-299	3.5	16
539	Sliding-Mode Control for Stabilizing High-Order Stochastic Systems: Application to One-Degree-of-Freedom Aerial Device. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 4318-4325	7.3	3
538	Group Consensus for Heterogeneous Multiagent Systems in the Competition Networks With Input Time Delays. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 4655-4663	7.3	20
537	Heat-Electricity Coupled Peak Load Shifting for Multi-Energy Industrial Parks: A Stackelberg Game Approach. <i>IEEE Transactions on Sustainable Energy</i> , 2020 , 11, 1858-1869	8.2	15
536	Robust consensus of fractional-order singular uncertain multi-agent systems. <i>Asian Journal of Control</i> , 2020 , 22, 2377-2387	1.7	4
535	Cooperative Mining in Blockchain Networks With Zero-Determinant Strategies. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 4544-4549	10.2	15
534	Finite-Time Continuous Terminal Sliding Mode Control of Servo Motor Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 5647-5656	8.9	49
533	Predefined-time optimization for distributed resource allocation. <i>Journal of the Franklin Institute</i> , 2020 , 357, 11323-11348	4	8
532	Distributed Voltage Regulation for Cyber-Physical Microgrids With Coupling Delays and Slow Switching Topologies. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 100-110	7.3	52
531	Adaptive Decentralized Neural Network Tracking Control for Uncertain Interconnected Nonlinear Systems With Input Quantization and Time Delay. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 1401-1409	10.3	31
530	Hierarchical Controller-Estimator for Coordination of Networked Euler-Lagrange Systems. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 2450-2461	10.2	41
529	Delayed Impulsive Control for Consensus of Multiagent Systems With Switching Communication Graphs. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 3045-3055	10.2	49
528	Global Stabilization of Uncertain SISO Dynamical Systems Using a Multiple Delayed Partial State Feedback Sliding Mode Control. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020 , 67, 1259-1263	3.5	5
527	Incentive Mechanism for Macrotasking Crowdsourcing: A Zero-Determinant Strategy Approach. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 8589-8601	10.7	9
526	An EKF-Based Fast Tube MPC Scheme for Moving Target Tracking of a Redundant Underwater Vehicle-Manipulator System. <i>IEEE/ASME Transactions on Mechatronics</i> , 2019 , 24, 2803-2814	5.5	32

525	An Interval Arithmetic-Based State Estimation Framework for Power Distribution Networks. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 8509-8520	8.9	12
524	Pinning Synchronization of Complex Switching Networks With a Leader of Nonzero Control Inputs. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2019 , 66, 3100-3112	3.9	33
523	Bifurcation and chaos in digital filters: identification of periodic solutions. <i>Science China Information Sciences</i> , 2019 , 62, 1	3.4	
522	Adaptive asymptotical tracking controller design for uncertain nonaffine nonlinear system with high-order mismatched disturbances. <i>International Journal of Adaptive Control and Signal Processing</i> , 2019 , 33, 731-746	2.8	0
521	Stochastic Distributed Frequency and Load Sharing Control for Microgrids With Communication Delays. <i>IEEE Systems Journal</i> , 2019 , 13, 4269-4280	4.3	34
520	Tracking Consensus of General Nonlinear Multiagent Systems With External Disturbances Under Directed Networks. <i>IEEE Transactions on Automatic Control</i> , 2019 , 64, 4772-4779	5.9	16
519	Quantized super-twisting algorithm based sliding mode control. <i>Automatica</i> , 2019 , 105, 43-48	5.7	30
518	Cluster-Oriented Distributed Cooperative Control for Multiple AC Microgrids. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 5906-5918	11.9	72
517	Enhancing Optimal Automatic Generation Control in a Multi-Area Power System With Diverse Energy Resources. <i>IEEE Transactions on Power Systems</i> , 2019 , 34, 3465-3475	7	24
516	Model Predictive Power Dispatch and Control With Price-Elastic Load in Energy Internet. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 1775-1787	11.9	12
515	A Global Optimization Approach Based on Opinion Formation in Complex Networks. <i>IEEE Transactions on Network Science and Engineering</i> , 2019 , 6, 173-187	4.9	3
514	Consensus-Based Distributed Coordination Between Economic Dispatch and Demand Response. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 3709-3719	10.7	53
513	Full-Order Sliding-Mode Control of Rigid Robotic Manipulators. <i>Asian Journal of Control</i> , 2019 , 21, 1228-1236	11.7	8
512	. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2019 , 66, 437-441	3.5	27
511	Integral-Type Terminal Sliding-Mode Control for Grid-Side Converter in Wind Energy Conversion Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 3702-3711	8.9	29
510	An Overall Distribution Particle Swarm Optimization MPPT Algorithm for Photovoltaic System Under Partial Shading. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 265-275	8.9	185
509	A Novel Mixed Cascade Finite-Time Switching Control Design for Induction Motor. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 1172-1181	8.9	18
508	Discrete-Time Terminal Sliding-Mode Tracking Control With Alleviated Chattering. <i>IEEE/ASME Transactions on Mechatronics</i> , 2019 , 24, 1808-1817	5.5	18

507	Global Frequency Synchronization of Complex Power Networks Via Coordinating Switching Control. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2019 , 66, 3123-3133	3.9	10
506	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2019 , 55, 124-134	3.7	72
505	Robust Faulted Line Identification in Power Distribution Networks via Hybrid State Estimator. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 5365-5377	11.9	11
504	2019 ,		5
503	Multilayered Self-triggered Control for Thermostatically Controlled Loads 2019 ,		1
502	A Cognitive Model for Emotion Awareness in Industrial Chatbots 2019 ,		9
501	Branch-Wise Parallel Successive Algorithm for Online Voltage Regulation in Distribution Networks. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 6678-6689	10.7	20
500	Output Containment Control for Heterogeneous Linear Multiagent Systems With Fixed and Switching Topologies. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 4117-4128	10.2	36
499	Fully Distributed Consensus Tracking of Multiagent Systems With a High-Dimensional Leader and Directed Communication Topology. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2019 , 66, 1431-1435	3.5	6
498	. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2019 , 66, 1406-1410	3.5	12
497	Distributed Average Tracking for Lipschitz-Type of Nonlinear Dynamical Systems. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 4140-4152	10.2	40
496	Synchronization of Multi-Layer Networks: From Node-to-Node Synchronization to Complete Synchronization. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2019 , 66, 1141-1152	3.9	19
495	Consensus of Second-Order Multiagent Systems With Both Velocity and Input Constraints. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 7946-7955	8.9	32
494	Performance Analysis of Distributed Short-Path Set Based Routing in Complex Networks. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2019 , 66, 1426-1430	3.5	2
493	A Novel Class of Distributed Fixed-Time Consensus Protocols for Second-Order Nonlinear and Disturbed Multi-Agent Systems. <i>IEEE Transactions on Network Science and Engineering</i> , 2019 , 6, 760-772	4.9	27
492	Non-Differentiable Function Tracking. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2019 , 66, 1835-1839	3.5	3
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476	Discrete-Time Fast Terminal Sliding Mode Control for Permanent Magnet Linear Motor. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 9916-9927	8.9	132
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456	Reaching Law Based Sliding Mode Control for Discrete Time System with Uncertainty 2018 ,		2
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449	Two-Channel Periodic Event-Triggered Observer-Based Repetitive Control for Periodic Reference Tracking 2018 ,		2
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4 ¹⁰	A fixed time distributed optimization: A sliding mode perspective 2017 ,		11
4 ⁰⁹	Multistep Model Predictive Control With Current and Voltage Constraints for Linear Induction Machine Based Urban Transportation. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 10817-10829	6.8	34
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393	A cognitive data stream mining technique for context-aware IoT systems 2017 ,		9
392	The optimal EV charging/discharging strategy in smart grid from a perspective of sharing-economy 2017 ,		1
391	Apache spark based distributed self-organizing map algorithm for sensor data analysis 2017 ,		5
390	2017 ,		2
389	Full-order terminal sliding-mode based energy saving control of induction motors 2017 ,		2
388	An Evolutionary Based Multi-Objective Filter Approach for Feature Selection 2017 ,		6
387	Cyber-physical aspects of hierarchical control for co-multi-microgrids in the energy Internet 2017 ,		2
386	Incremental knowledge acquisition and self-learning for autonomous video surveillance 2017 ,		16
385	Distributed voltage control for DC microgrids with coupling delays & noisy disturbances 2017 ,		4
384	State estimation for a TCP/IP network using terminal sliding-mode methodology 2017 ,		1
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347	Analysis of cascaded failures in power networks using maximum flow based complex network approach 2016 ,		5
346	Roles of node dynamics and data network structure on cooperative secondary control of distributed power grids 2016 ,		6

345	A new metric for measuring influence of nodes in cooperative frequency control of distributed generation systems 2016 ,		4
344	Power usage spike detection using smart meter data for load profiling 2016 ,		1
343	A novel optimization method based on opinion formation in complex networks 2016 ,		1
342	2016 ,		4
341	Smart Grids: A CyberPhysical Systems Perspective. <i>Proceedings of the IEEE</i> , 2016 , 104, 1058-1070	14.3	328
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336	Continuous Finite-Time Output Regulation for Disturbed Systems Under Mismatching Condition. <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 277-282	5.9	154
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317	Computational Science in Smart Grids and Energy Systems. <i>Journal of Applied Mathematics</i> , 2015 , 2015, 1-2	1.1	
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301	Stability probability in sliding mode control of second order Markovian jump systems 2014 ,		7
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