Xinghuo Yu

List of Publications by Citations

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	Continuous finite-time control for robotic manipulators with terminal sliding mode. *Automatica*, **2005**, 41, 1957-1964	5.7	1501
649	Non-singular terminal sliding mode control of rigid manipulators. *Automatica*, **2002**, 38, 2159-2167	5.7	1314
648	. *IEEE Transactions on Industrial Electronics*, **2013**, 60, 160-169	8.9	764
647	Fast terminal sliding-mode control design for nonlinear dynamical systems. *IEEE Transactions on Circuits and Systems Part 1: Regular Papers*, **2002**, 49, 261-264		474
646	Survey on Recent Advances in Networked Control Systems. *IEEE Transactions on Industrial Informatics*, **2016**, 12, 1740-1752	11.9	411
645	Continuous nonsingular terminal sliding mode control for systems with mismatched disturbances. *Automatica*, **2013**, 49, 2287-2291	5.7	371
644	Energy-Sharing Model With Price-Based Demand Response for Microgrids of Peer-to-Peer Prosumers. *IEEE Transactions on Power Systems*, **2017**, 32, 3569-3583	7	369
643	Characterizing the synchronizability of small-world dynamical networks. *IEEE Transactions on Circuits and Systems Part 1: Regular Papers*, **2004**, 51, 787-796		344
642	Terminal sliding mode control design for uncertain dynamic systems. *Systems and Control Letters*, **1998**, 34, 281-287	2.4	342
641	Chattering free full-order sliding-mode control. *Automatica*, **2014**, 50, 1310-1314	5.7	333
640	On nonsingular terminal sliding-mode control of nonlinear systems. *Automatica*, **2013**, 49, 1715-1722	5.7	330
639	Smart Grids: A Cyber–Physical Systems Perspective. *Proceedings of the IEEE*, **2016**, 104, 1058-1070	14.3	328
638	Sliding-Mode Control With Soft Computing: A Survey. *IEEE Transactions on Industrial Electronics*, **2009**, 56, 3275-3285	8.9	323
637	Chaos synchronization of general complex dynamical networks. *Physica A: Statistical Mechanics and Its Applications*, **2004**, 334, 281-302	3.3	317
636	Smart Electricity Meter Data Intelligence for Future Energy Systems: A Survey. *IEEE Transactions on Industrial Informatics*, **2016**, 12, 425-436	11.9	282
635	Design and Implementation of Terminal Sliding Mode Control Method for PMSM Speed Regulation System. *IEEE Transactions on Industrial Informatics*, **2013**, 9, 1879-1891	11.9	259
634	Finite-time stability and instability of stochastic nonlinear systems. *Automatica*, **2011**, 47, 2671-2677	5.7	249

633	The New Frontier of Smart Grids. *IEEE Industrial Electronics Magazine*, **2011**, 5, 49-63	6.2	229
632	Design and analysis of multiscroll chaotic attractors from saturated function series. *IEEE Transactions on Circuits and Systems Part 1: Regular Papers*, **2004**, 51, 2476-2490		229
631	. *IEEE Transactions on Industrial Informatics*, **2016**, 12, 1775-1785	11.9	217
630	Droop-Based Distributed Cooperative Control for Microgrids With Time-Varying Delays. *IEEE Transactions on Smart Grid*, **2016**, 7, 1775-1789	10.7	213
629	Event-Triggering Load Frequency Control for Multiarea Power Systems With Communication Delays. *IEEE Transactions on Industrial Electronics*, **2016**, 63, 1308-1317	8.9	204
628	On the Discrete-Time Integral Sliding-Mode Control. *IEEE Transactions on Automatic Control*, **2007**, 52, 709-715	5.9	201
627	Pinning Synchronization of Directed Networks With Switching Topologies: A Multiple Lyapunov Functions Approach. *IEEE Transactions on Neural Networks and Learning Systems*, **2015**, 26, 3239-50	10.3	198
626	High-Order Mismatched Disturbance Compensation for Motion Control Systems Via a Continuous Dynamic Sliding-Mode Approach. *IEEE Transactions on Industrial Informatics*, **2014**, 10, 604-614	11.9	186
625	An Overall Distribution Particle Swarm Optimization MPPT Algorithm for Photovoltaic System Under Partial Shading. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 265-275	8.9	185
624	Finite-time stabilization of stochastic nonlinear systems in strict-feedback form. *Automatica*, **2013**, 49, 1403-1410	5.7	183
623	Energy Sharing Management for Microgrids With PV Prosumers: A Stackelberg Game Approach. *IEEE Transactions on Industrial Informatics*, **2017**, 13, 1088-1098	11.9	182
622	Generating 3-D multi-scroll chaotic attractors: A hysteresis series switching method. *Automatica*, **2004**, 40, 1677-1687	5.7	180
621	Chattering-free discrete-time sliding mode control. *Automatica*, **2016**, 68, 87-91	5.7	179
620	. *IEEE Transactions on Industrial Informatics*, **2017**, 13, 448-460	11.9	173
619	Sliding Mode Control With Mixed Current and Delayed States for Offshore Steel Jacket Platforms. *IEEE Transactions on Control Systems Technology*, **2014**, 22, 1769-1783	4.8	165
618	Efficient Computation for Sparse Load Shifting in Demand Side Management. *IEEE Transactions on Smart Grid*, **2017**, 8, 250-261	10.7	158
617	Hybrid Terminal Sliding-Mode Observer Design Method for a Permanent-Magnet Synchronous Motor Control System. *IEEE Transactions on Industrial Electronics*, **2009**, 56, 3424-3431	8.9	158
616	Continuous Finite-Time Output Regulation for Disturbed Systems Under Mismatching Condition. *IEEE Transactions on Automatic Control*, **2015**, 60, 277-282	5.9	154

615	On the cluster consensus of discrete-time multi-agent systems. *Systems and Control Letters*, **2011**, 60, 517-523	2.4	149
614	Distributed Robust Fixed-Time Consensus for Nonlinear and Disturbed Multiagent Systems. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2017**, 47, 1464-1473	7.3	147
613	High-Order Terminal Sliding-Mode Observer for Parameter Estimation of a Permanent-Magnet Synchronous Motor. *IEEE Transactions on Industrial Electronics*, **2013**, 60, 4272-4280	8.9	147
612	Distributed Tracking of Nonlinear Multiagent Systems Under Directed Switching Topology: An Observer-Based Protocol. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2017**, 47, 869-881	7.3	146
611	Fuzzy Control for Uncertain Vehicle Active Suspension Systems via Dynamic Sliding-Mode Approach. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2017**, 47, 24-32	7.3	146
610	Optimal Denial-of-Service Attack Scheduling With Energy Constraint Over Packet-Dropping Networks. *IEEE Transactions on Automatic Control*, **2018**, 63, 1648-1663	5.9	144
609	Consensus in Multi-Agent Systems With Second-Order Dynamics and Sampled Data. *IEEE Transactions on Industrial Informatics*, **2013**, 9, 2137-2146	11.9	144
608	Anomaly detection in online social networks. *Social Networks*, **2014**, 39, 62-70	3.9	143
607	Model reference adaptive control systems with terminal sliding modes. *International Journal of Control*, **1996**, 64, 1165-1176	1.5	141
606	Pulse-Modulated Intermittent Control in Consensus of Multiagent Systems. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2017**, 47, 783-793	7.3	139
605	Bipartite Tracking Consensus of Linear Multi-Agent Systems With a Dynamic Leader. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2018**, 65, 1204-1208	3.5	139
604	On time-delayed feedback control of chaotic systems. *IEEE Transactions on Circuits and Systems Part 1: Regular Papers*, **1999**, 46, 767-772		139
603	Discrete-Time Fast Terminal Sliding Mode Control for Permanent Magnet Linear Motor. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 9916-9927	8.9	132
602	Finite-time consensus of multiple nonholonomic chained-form systems based on recursive distributed observer. *Automatica*, **2015**, 62, 236-242	5.7	131
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596	A Maximum-Flow-Based Complex Network Approach for Power System Vulnerability Analysis. *IEEE Transactions on Industrial Informatics*, **2013**, 9, 81-88	11.9	118
595	Discrete-Time Terminal Sliding Mode Control Systems Based on Euler's Discretization. *IEEE Transactions on Automatic Control*, **2014**, 59, 546-552	5.9	115
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593	Energy-Sharing Provider for PV Prosumer Clusters: A Hybrid Approach Using Stochastic Programming and Stackelberg Game. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 6740-6750	8.9	112
592	Terminal sliding mode observers for a class of nonlinear systems. *Automatica*, **2010**, 46, 1401-1404	5.7	111
591	Neuro-Adaptive Consensus Tracking of Multiagent Systems With a High-Dimensional Leader. *IEEE Transactions on Cybernetics*, **2017**, 47, 1730-1742	10.2	108
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589	Flocking of Multi-Agent Non-Holonomic Systems With Proximity Graphs. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2013**, 60, 199-210	3.9	104
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538	Identifying vulnerable lines in a power network using complex network theory **2009**,		50
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