Ling Liu

List of Publications by Year
in descending order

27	1,141	623734 14	713466 21
papers	citations	h-index	g-index

27	27	27	1069
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dynamic Analysis and Fractional-Order Terminal Sliding Mode Control of a Fractional-Order Buck Converter Operating in Discontinuous Conduction Mode. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2022, 32, .	1.7	1
2	Predefined-Time Consensus Tracking of Second-Order Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 2550-2560.	9.3	81
3	Fixed-time adaptive neural network control for nonstrict-feedback nonlinear systems with deadzone and output constraint. ISA Transactions, 2020, 97, 458-473.	5.7	62
4	Fractional-Order Hidden Attractor Based on the Extended Liu System. Mathematical Problems in Engineering, 2020, 2020, 1-22.	1.1	3
5	Sliding mode control with mismatched disturbance observer for chaotic oscillation in a <scp>sevenâ€dimensional</scp> power system model. International Transactions on Electrical Energy Systems, 2020, 30, e12583.	1.9	3
6	Adaptive Sliding Mode Control Based on Equivalence Principle and Its Application to Chaos Control in a Seven-Dimensional Power System. Mathematical Problems in Engineering, 2020, 2020, 1-13.	1.1	5
7	High Performance Sensorless Control of PMSM with Sliding Mode Load Torque Observer. , 2020, , .		3
8	Prescribed performance fixed-time recurrent neural network control for uncertain nonlinear systems. Neurocomputing, 2019, 363, 351-365.	5.9	52
9	Fixed-Time Synergetic Control for a Seven-Dimensional Chaotic Power System Model. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1950130.	1.7	11
10	Controlling Chaos in a Six-Dimensional Power System Model. , 2019, , .		1
11	Fractional-order Fixed-time Nonsingular Backstepping Control of an Incommensurate Fractional-order Ferroresonance System. , 2019, , .		0
12	Fixed-Time Disturbance Observer Design for Brunovsky Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 341-345.	3.0	53
13	Chaotic dynamics in a neural network under electromagnetic radiation. Nonlinear Dynamics, 2018, 91, 1541-1554.	5.2	58
14	Adaptive dynamic surface neural network control for nonstrict-feedback uncertain nonlinear systems with constraints. Nonlinear Dynamics, 2018, 94, 165-184.	5.2	20
15	Novel nonsingular fast terminal sliding mode control for a PMSM chaotic system with extended state observer and tracking differentiator. JVC/Journal of Vibration and Control, 2017, 23, 2478-2493.	2.6	15
16	Fast Fixed-Time Nonsingular Terminal Sliding Mode Control and Its Application to Chaos Suppression in Power System. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 151-155.	3.0	232
17	Fixed-Time Leader-Following Consensus for Second-Order Multiagent Systems With Input Delay. IEEE Transactions on Industrial Electronics, 2017, 64, 8635-8646.	7.9	231
18	Fractional order fixed-time nonsingular terminal sliding mode synchronization and control of fractional order chaotic systems. Nonlinear Dynamics, 2017, 89, 2065-2083.	5.2	106

#	Article	IF	Citations
19	A sliding mode speed controller based on novel reaching law of permanent magnet synchronous motor system. , 2017, , .		2
20	Chattering-Free Time Scale Separation Sliding Mode Control Design with Application to Power System Chaos Suppression. Mathematical Problems in Engineering, 2016, 2016, 1-14.	1.1	16
21	Fixed-time dynamic surface high-order sliding mode control for chaotic oscillation in power system. Nonlinear Dynamics, 2016, 86, 401-420.	5.2	110
22	Theoretical Analysis and Circuit Verification for Fractional-Order Chaotic Behavior in a New Hyperchaotic System. Mathematical Problems in Engineering, 2014, 2014, 1-14.	1.1	8
23	Adaptive projective synchronization of a novel fractional-order hyperchaotic system. , 2014, , .		0
24	Theoretical analysis and circuit design of a novel high-dimensional hyperchaotic system. , 2014, , .		0
25	Improved decoupled model of mutually coupled dualâ€channel SRM with consideration of magnetic saturation in dualâ€channel operation. IET Electric Power Applications, 2013, 7, 427-440.	1.8	14
26	Nonlinear state-observer control for projective synchronization of a fractional-order hyperchaotic system. Nonlinear Dynamics, 2012, 69, 1929-1939.	5.2	32
27	Theoretical analysis and circuit implementation of a novel complicated hyperchaotic system. Nonlinear Dynamics, 2011, 66, 707-715.	5.2	22