Chongxin Liu

List of Publications by Year
in descending order

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48 papers	1,505 citations	394421 19 h-index	315739 38 g-index
48 all docs	48 docs citations	48 times ranked	1321 citing authors

#	Article	IF	Citations
1	Dynamical Analysis of a Fractional-Order Boost Converter with Fractional-Order Memristive Load. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2022, 32, .	1.7	2
2	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
3	Predefined-Time Consensus Tracking of Second-Order Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 2550-2560.	9.3	81
4	Fractional-Order Hyperbolic Tangent Sliding Mode Control for Chaotic Oscillation in Power System. Mathematical Problems in Engineering, 2021, 2021, 1-10.	1.1	6
5	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
6	Synchronization of Chaotic-Oscillation Permanent Magnet Synchronous Generators Networks via Adaptive Impulsive Control. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2194-2198.	3.0	8
7	Fractional-Order Hidden Attractor Based on the Extended Liu System. Mathematical Problems in Engineering, 2020, 2020, 1-22.	1.1	3
8	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
9	A Novel Generalized Memristor Based on Three-Phase Diode Bridge Rectifier. Complexity, 2019, 2019, 1-8.	1.6	5
10	Prescribed performance fixed-time recurrent neural network control for uncertain nonlinear systems. Neurocomputing, 2019, 363, 351-365.	5.9	52
11	Dynamic property analysis and circuit implementation of simplified memristive Hodgkinâ€“Huxley neuron model. Nonlinear Dynamics, 2019, 97, 1721-1733.	5.2	42
12	Projective synchronization via adaptive pinning control for fractional-order complex network with time-varying coupling strength. International Journal of Modern Physics C, 2019, 30, 1940013.	1.7	4
13	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
14	Dynamic Behaviors Analysis of a Chaotic Circuit Based on a Novel Fractional-Order Generalized Memristor. Complexity, 2019, 2019, 1-15.	1.6	2
15	Fractional-order cubic nonlinear flux-controlled memristor: theoretical analysis, numerical calculation and circuit simulation. Nonlinear Dynamics, 2019, 97, 33-44.	5.2	20
16	A Novel Multi-Shape Chaotic Attractor and Its FPGA Implementation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 2062-2066.	3.0	26
17	Fixed-time Nonsingular Terminal Sliding Mode Control for MPPT in Stand-alone Photovoltaic Systems. , 2019, , .		0
18	Controlling Chaos in a Six-Dimensional Power System Model. , 2019, , .		1

#	Article	IF	Citations
19	Fractional-order Fixed-time Nonsingular Backstepping Control of an Incommensurate Fractional-order Ferroresonance System. , 2019, , .		0
20	Fixed-time Nonsingular Backstepping Control of Photovoltaic Systems. , 2019, , .		0
21	Fractional Order Fixed-Time Nonsingular Sliding Mode Control of a Fractional Hydro-Turbine Governing System. , 2019, , .		0
22	Bursting and Synchronization of Coupled Neurons under Electromagnetic Radiation. Complexity, 2019, 2019, 1-10.	1.6	7
23	Fixed-Time Disturbance Observer Design for Brunovsky Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 341-345.	3.0	53
24	Chaotic dynamics in a neural network under electromagnetic radiation. Nonlinear Dynamics, 2018, 91, 1541-1554.	5.2	58
25	Dynamic Behaviors and the Equivalent Realization of a Novel Fractional-Order Memristor-Based Chaotic Circuit. Complexity, 2018, 2018, 1-13.	1.6	8
26	Adaptive dynamic surface neural network control for nonstrict-feedback uncertain nonlinear systems with constraints. Nonlinear Dynamics, 2018, 94, 165-184.	5.2	20
27	Fractional-Order Modeling and Simulation of Magnetic Coupled Boost Converter in Continuous Conduction Mode. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1850061.	1.7	17
28	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
29	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
30	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
31	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
32	Modeling and Analysis of a Fractional-Order Generalized Memristor-Based Chaotic System and Circuit Implementation. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2017, 27, 1750199.	1.7	25
33	Continuous uniformly finite time exact disturbance observer based control for fixed-time stabilization of nonlinear systems with mismatched disturbances. PLoS ONE, 2017, 12, e0175645.	2.5	7
34	Fractional-Order Terminal Sliding-Mode Control for Buck DC/DC Converter. Mathematical Problems in Engineering, 2016, 2016, 1-7.	1.1	15
35	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
36	Modeling and Characteristics Analysis for a Buck-Boost Converter in Pseudo-Continuous Conduction Mode Based on Fractional Calculus. Mathematical Problems in Engineering, 2016, 2016, 1-11.	1.1	13

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37	Fixed-time dynamic surface high-order sliding mode control for chaotic oscillation in power system. Nonlinear Dynamics, 2016, 86, 401-420.	5.2	110
38	Image encryption scheme using chaos and simulated annealing algorithm. Nonlinear Dynamics, 2016, 84, 1417-1429.	5.2	72
39	Adaptive synchronization of a novel fractional-order hyperchaotic system with uncertain parameters. , 2015, , .		1
40	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
41	Adaptive projective synchronization of a novel fractional-order hyperchaotic system. , 2014, , .		0
42	Variable speed synergetic control for chaotic oscillation in power system. Nonlinear Dynamics, 2014, 78, 681-690.	5.2	33
43	A novel fractional-order hyperchaotic system stabilization via fractional sliding-mode control. Nonlinear Dynamics, 2013, 74, 721-732.	5.2	53
44	Drive-Response Synchronization of a Fractional-Order Hyperchaotic System and Its Circuit Implementation. Mathematical Problems in Engineering, 2013, 2013, 1-8.	1.1	4
45	A Technique for Assessment of Thermal Condition and Current Rating of Underground Power Cables Installed in Duct Banks. , 2012, , .		5
46	Nonlinear state-observer control for projective synchronization of a fractional-order hyperchaotic system. Nonlinear Dynamics, 2012, 69, 1929-1939.	5.2	32
47	Theoretical analysis and circuit implementation of a novel complicated hyperchaotic system. Nonlinear Dynamics, 2011, 66, 707-715.	5.2	22
48	A NOVEL FRACTIONAL-ORDER HYPERCHAOTIC SYSTEM AND ITS CIRCUIT REALIZATION. International Journal of Modern Physics B, 2010, 24, 1299-1307.	2.0	13