

Chongxin Liu

List of Publications by Year in descending order

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48
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1321
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Fixed-time dynamic surface high-order sliding mode control for chaotic oscillation in power system. Nonlinear Dynamics, 2016, 86, 401-420.	5.2	110
4	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
5	Predefined-Time Consensus Tracking of Second-Order Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 2550-2560.	9.3	81
6	Image encryption scheme using chaos and simulated annealing algorithm. Nonlinear Dynamics, 2016, 84, 1417-1429.	5.2	72
7	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
8	Chaotic dynamics in a neural network under electromagnetic radiation. Nonlinear Dynamics, 2018, 91, 1541-1554.	5.2	58
9	A novel fractional-order hyperchaotic system stabilization via fractional sliding-mode control. Nonlinear Dynamics, 2013, 74, 721-732.	5.2	53
10	Fixed-Time Disturbance Observer Design for Brunovsky Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 341-345.	3.0	53
11	Prescribed performance fixed-time recurrent neural network control for uncertain nonlinear systems. Neurocomputing, 2019, 363, 351-365.	5.9	52
12	Dynamic property analysis and circuit implementation of simplified memristive Hodgkin-Huxley neuron model. Nonlinear Dynamics, 2019, 97, 1721-1733.	5.2	42
13	Variable speed synergetic control for chaotic oscillation in power system. Nonlinear Dynamics, 2014, 78, 681-690.	5.2	33
14	Nonlinear state-observer control for projective synchronization of a fractional-order hyperchaotic system. Nonlinear Dynamics, 2012, 69, 1929-1939.	5.2	32
15	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
16	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
17	Theoretical analysis and circuit implementation of a novel complicated hyperchaotic system. Nonlinear Dynamics, 2011, 66, 707-715.	5.2	22
18	Adaptive dynamic surface neural network control for nonstrict-feedback uncertain nonlinear systems with constraints. Nonlinear Dynamics, 2018, 94, 165-184.	5.2	20

#	ARTICLE	IF	CITATIONS
19	Fractional-order cubic nonlinear flux-controlled memristor: theoretical analysis, numerical calculation and circuit simulation. <i>Nonlinear Dynamics</i> , 2019, 97, 33-44.	5.2	20
20	Fractional-Order Modeling and Simulation of Magnetic Coupled Boost Converter in Continuous Conduction Mode. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2018, 28, 1850061.	1.7	17
21	Chattering-Free Time Scale Separation Sliding Mode Control Design with Application to Power System Chaos Suppression. <i>Mathematical Problems in Engineering</i> , 2016, 2016, 1-14.	1.1	16
22	Fractional-Order Terminal Sliding-Mode Control for Buck DC/DC Converter. <i>Mathematical Problems in Engineering</i> , 2016, 2016, 1-7.	1.1	15
23	Novel nonsingular fast terminal sliding mode control for a PMSM chaotic system with extended state observer and tracking differentiator. <i>JVC/Journal of Vibration and Control</i> , 2017, 23, 2478-2493.	2.6	15
24	A NOVEL FRACTIONAL-ORDER HYPERCHAOTIC SYSTEM AND ITS CIRCUIT REALIZATION. <i>International Journal of Modern Physics B</i> , 2010, 24, 1299-1307.	2.0	13
25	Modeling and Characteristics Analysis for a Buck-Boost Converter in Pseudo-Continuous Conduction Mode Based on Fractional Calculus. <i>Mathematical Problems in Engineering</i> , 2016, 2016, 1-11.	1.1	13
26	Fixed-Time Synergetic Control for a Seven-Dimensional Chaotic Power System Model. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2019, 29, 1950130.	1.7	11
27	Theoretical Analysis and Circuit Verification for Fractional-Order Chaotic Behavior in a New Hyperchaotic System. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-14.	1.1	8
28	Dynamic Behaviors and the Equivalent Realization of a Novel Fractional-Order Memristor-Based Chaotic Circuit. <i>Complexity</i> , 2018, 2018, 1-13.	1.6	8
29	Synchronization of Chaotic-Oscillation Permanent Magnet Synchronous Generators Networks via Adaptive Impulsive Control. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020, 67, 2194-2198.	3.0	8
30	Continuous uniformly finite time exact disturbance observer based control for fixed-time stabilization of nonlinear systems with mismatched disturbances. <i>PLoS ONE</i> , 2017, 12, e0175645.	2.5	7
31	Bursting and Synchronization of Coupled Neurons under Electromagnetic Radiation. <i>Complexity</i> , 2019, 2019, 1-10.	1.6	7
32	Fractional-Order Hyperbolic Tangent Sliding Mode Control for Chaotic Oscillation in Power System. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-10.	1.1	6
33	A Technique for Assessment of Thermal Condition and Current Rating of Underground Power Cables Installed in Duct Banks. , 2012, , .		5
34	A Novel Generalized Memristor Based on Three-Phase Diode Bridge Rectifier. <i>Complexity</i> , 2019, 2019, 1-8.	1.6	5
35	Drive-Response Synchronization of a Fractional-Order Hyperchaotic System and Its Circuit Implementation. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-8.	1.1	4
36	Projective synchronization via adaptive pinning control for fractional-order complex network with time-varying coupling strength. <i>International Journal of Modern Physics C</i> , 2019, 30, 1940013.	1.7	4

#	ARTICLE	IF	CITATIONS
37	Fractional-Order Hidden Attractor Based on the Extended Liu System. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-22.	1.1	3
38	Sliding mode control with mismatched disturbance observer for chaotic oscillation in a seven-dimensional power system model. <i>International Transactions on Electrical Energy Systems</i> , 2020, 30, e12583.	1.9	3
39	Dynamic Behaviors Analysis of a Chaotic Circuit Based on a Novel Fractional-Order Generalized Memristor. <i>Complexity</i> , 2019, 2019, 1-15.	1.6	2
40	Dynamical Analysis of a Fractional-Order Boost Converter with Fractional-Order Memristive Load. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2022, 32, .	1.7	2
41	Adaptive synchronization of a novel fractional-order hyperchaotic system with uncertain parameters. , 2015, , .		1
42	Controlling Chaos in a Six-Dimensional Power System Model. , 2019, , .		1
43	Dynamic Analysis and Fractional-Order Terminal Sliding Mode Control of a Fractional-Order Buck Converter Operating in Discontinuous Conduction Mode. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2022, 32, .	1.7	1
44	Adaptive projective synchronization of a novel fractional-order hyperchaotic system. , 2014, , .		0
45	Fixed-time Nonsingular Terminal Sliding Mode Control for MPPT in Stand-alone Photovoltaic Systems. , 2019, , .		0
46	Fractional-order Fixed-time Nonsingular Backstepping Control of an Incommensurate Fractional-order Ferroresonance System. , 2019, , .		0
47	Fixed-time Nonsingular Backstepping Control of Photovoltaic Systems. , 2019, , .		0
48	Fractional Order Fixed-Time Nonsingular Sliding Mode Control of a Fractional Hydro-Turbine Governing System. , 2019, , .		0