Wenxin Yu

List of Publications by Year
in descending order

| 33 papers | 291 citations | 933447 10 h-index | 940533 16 g-index |

| 33 all docs | 33 docs citations | 33 times ranked | 289 citing authors |

#	ARTICLE	IF	CITATIONS
1	A new six‑dimensional hyperchaotic system and its secure communication circuit implementation. International Journal of Circuit Theory and Applications, 2019, 47, 702-717.	2.0	33
2	Design of a New Seven-Dimensional Hyperchaotic Circuit and Its Application in Secure Communication. IEEE Access, 2019, 7, 125586-125608.	4.2	31
3	The Faults Diagnostic Analysis for Analog Circuit Based on FA-TM-ELM. Journal of Electronic Testing: Theory and Applications (JETTA), 2016, 32, 459-465.	1.2	27
4	Dynamic analysis of seven-dimensional fractional-order chaotic system and its application in encrypted communication. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 5399-5417.	4.9	24
5	A New Chaotic Attractor and Its Synchronization Implementation. Circuits, Systems, and Signal Processing, 2015, 34, 1747-1768.	2.0	18
6	A Speed Disturbance Control Method Based on Sliding Mode Control of Permanent Magnet Synchronous Linear Motor. IEEE Access, 2019, 7, 82424-82433.	4.2	17
7	Jointly Optimized Extreme Learning Machine for Short-Term Prediction of Fading Channel. IEEE Access, 2018, 6, 49029-49039.	4.2	14
8	Fault Diagnosis Based on an Approach Combining a Spectrogram and a Convolutional Neural Network with Application to a Wind Turbine System. Energies, 2018, 11, 2561.	3.1	14
9	Secure Communication Based on Microcontroller Unit with a Novel Five-Dimensional Hyperchaotic System. Arabian Journal for Science and Engineering, 2022, 47, 813-828.	3.0	12
10	Rotor-current-based fault detection for doubly-fed induction generator using new sliding mode observer. Transactions of the Institute of Measurement and Control, 2020, 42, 3110-3122.	1.7	11
11	Dynamic Analysis of DFIG Fault Detection and Its Suppression Using Sliding Mode Control. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2023, 11, 643-656.	5.4	10
12	Non‑communication protection scheme for power transmission system based on transient currents, HHT and SVM. IET Generation, Transmission and Distribution, 2018, 12, 2816-2824.	2.5	9
13	A secure communication method based on 6-D hyperchaos and circuit implementation. Telecommunication Systems, 2021, 77, 731-751.	2.5	9
14	Health Status Evaluation of Catenary Based on Normal Fuzzy Matter-Element and Game Theory. Journal of Electrical Engineering and Technology, 2020, 15, 2373-2385.	2.0	8
15	Design of a five-dimensional fractional-order chaotic system and its sliding mode control. Indian Journal of Physics, 2022, 96, 855-867.	1.8	7
16	Analog Circuit Fault Diagnosis via Sensitivity Computation. Journal of Electronic Testing: Theory and Applications (JETTA), 2015, 31, 119-122.	1.2	6
17	Design and circuit implementation of a five‑dimensional hyperchaotic system with linear parameter. International Journal of Circuit Theory and Applications, 2018, 46, 1503-1515.	2.0	6
18	Analog Implementation of Wavelet Transform in Switched-Current Circuits with High Approximation Precision and Minimum Circuit Coefficients. Circuits, Systems, and Signal Processing, 2014, 33, 2333-2361.	2.0	5

#	Article	IF	Citations
19	A novel nonlinear observer for fault diagnosis of induction motor. Journal of Algorithms and Computational Technology, 2020, 14, 174830262092272.	0.7	5
20	Induction motor fault detection by a new sliding mode observer based on backstepping. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 12061-12074.	4.9	5
21	Vector Control of Induction Machines via Firefly Algorithm for Speed Application. , 2016, , .		4
22	Dynamical analysis, circuit implementation and deep belief network control of new six-dimensional hyperchaotic system. Journal of Algorithms and Computational Technology, 2018, 12, 361-375.	0.7	3
23	Power Load Disaggregation of Households with Solar Panels Based on an Improved Long Short-term Memory Network. Journal of Electrical Engineering and Technology, 2020, 15, 2401-2413.	2.0	3
24	Fault Detection Based on a Combined Approach of FA-CP-ELM with Application to Wind Turbine System. Journal of Electrical Engineering and Technology, 2021, 16, 547-557.	2.0	3
25	Semi-supervised deep learning recognition method for the new classes of faults in wind turbine system. Applied Intelligence, 2022, 52, 9212-9224.	5.3	2
26	Design of a fractional-order chaotic secure communication circuit based on sliding mode theory and microcontroller. Circuit World, 2023, 49, 480-492.	0.9	2
27	Weighted sharp function inequalities and boundedness for commutator of Riesz transforms of Schrödinger operator. Integral Transforms and Special Functions, 2014, 25, 765-776.	1.2	1
28	An AB-CNN intelligent fault location recognition model for induction motor. International Journal of Dynamics and Control, 2021, 9, 1402-1410.	2.5	1
29	A Fault Diagnosis Method of Oil-Immersed Transformer Based on Improved Harris Hawks Optimized Random Forest. Journal of Electrical Engineering and Technology, 2022, 17, 2527-2540.	2.0	1
30	Controllability of Singular Linear Systems by Legendre Wavelets. Journal of Control Science and Engineering, 2014, 2014, 1-4.	1.0	0
31	A Novel Stator Current Observer for Fault Tolerant Control of Stator Current Sensor in DFIG. , 2018, , .		0
32	A hybrid control strategy based on CSA and ELM for uncertain nonlinear chaotic system. Journal of Algorithms and Computational Technology, 2020, 14, 174830262092250.	0.7	0
33	Design of dynamic cipher electronic lock based on chaotic system. International Journal of Dynamics and Control, 2021, 9, 1505-1522.	2.5	0