

Samson Shenglong Yu

List of Publications by Year in descending order

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200
papers

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126708

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201
all docs

201
docs citations

201
times ranked

3103
citing authors

#	ARTICLE	IF	CITATIONS
1	Roles of Dynamic State Estimation in Power System Modeling, Monitoring and Operation. IEEE Transactions on Power Systems, 2021, 36, 2462-2472.	4.6	104
2	LLC resonant converter topologies and industrial applications – A review. Chinese Journal of Electrical Engineering, 2020, 6, 73-84.	2.3	98
3	Particle Filter Approach to Dynamic State Estimation of Generators in Power Systems. IEEE Transactions on Power Systems, 2015, 30, 2665-2675.	4.6	91
4	Dynamic State Estimation for Power System Control and Protection. IEEE Transactions on Power Systems, 2021, 36, 5909-5921.	4.6	66
5	A ratiometric two-photon fluorescent probe for hydrazine and its applications. Sensors and Actuators B: Chemical, 2015, 220, 1338-1345.	4.0	63
6	A new formation control of multiple underactuated surface vessels. International Journal of Control, 2018, 91, 1011-1022.	1.2	63
7	Demand-Side Regulation Provision From Industrial Loads Integrated With Solar PV Panels and Energy Storage System for Ancillary Services. IEEE Transactions on Industrial Informatics, 2018, 14, 5038-5049.	7.2	63
8	Event-Trigger Particle Filter for Smart Grids With Limited Communication Bandwidth Infrastructure. IEEE Transactions on Smart Grid, 2018, 9, 6918-6928.	6.2	61
9	An Impedance Network Boost Converter With a High-Voltage Gain. IEEE Transactions on Power Electronics, 2017, 32, 6661-6665.	5.4	60
10	Simplified Load-Feedforward Control Design for Dual-Active-Bridge Converters With Current-Mode Modulation. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 2073-2085.	3.7	58
11	A TICT based two-photon fluorescent probe for bisulfite anion and its application in living cells. Sensors and Actuators B: Chemical, 2016, 235, 362-369.	4.0	57
12	State Estimation of Doubly Fed Induction Generator Wind Turbine in Complex Power Systems. IEEE Transactions on Power Systems, 2016, 31, 4935-4944.	4.6	57
13	Event-Trigger Heterogeneous Nonlinear Filter for Wide-Area Measurement Systems in Power Grid. IEEE Transactions on Smart Grid, 2019, 10, 2752-2764.	6.2	55
14	An Approach for Wind Power Integration Using Demand Side Resources. IEEE Transactions on Sustainable Energy, 2013, 4, 917-924.	5.9	53
15	A Simple Floating Mutator for Emulating Memristor, Memcapacitor, and Meminductor. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 1334-1338.	2.2	52
16	Cooperative Dispatch of BESS and Wind Power Generation Considering Carbon Emission Limitation in Australia. IEEE Transactions on Industrial Informatics, 2015, 11, 1313-1323.	7.2	50
17	Dynamic Behavior of Coupled Memristor Circuits. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 1607-1616.	3.5	49
18	A Novel Control Strategy of DFIG Wind Turbines in Complex Power Systems for Enhancement of Primary Frequency Response and LFOD. IEEE Transactions on Power Systems, 2018, 33, 1811-1823.	4.6	48

#	ARTICLE	IF	CITATIONS
19	Parameter Identification of Chaotic and Hyper-Chaotic Systems Using Synchronization-Based Parameter Observer. IEEE Transactions on Circuits and Systems I: Regular Papers, 2016, 63, 1464-1475.	3.5	47
20	A Nested Tensor Product Model Transformation. IEEE Transactions on Fuzzy Systems, 2019, 27, 1-15.	6.5	47
21	A Novel Quasi-Decentralized Functional Observer Approach to LFC of Interconnected Power Systems. IEEE Transactions on Power Systems, 2016, 31, 3139-3151.	4.6	45
22	A DSE-Based Power System Frequency Restoration Strategy for PV-Integrated Power Systems Considering Solar Irradiance Variations. IEEE Transactions on Industrial Informatics, 2017, 13, 2511-2518.	7.2	44
23	Stochastic Stability Condition for the Extended Kalman Filter With Intermittent Observations. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 334-338.	2.2	43
24	A New Circuit for Emulating Memristors Using Inductive Coupling. IEEE Access, 2017, 5, 1284-1295.	2.6	43
25	Dynamic behaviors of hyperbolic-type memristor-based Hopfield neural network considering synaptic crosstalk. Chaos, 2020, 30, 033108.	1.0	43
26	Application of Event-Triggered Cubature Kalman Filter for Remote Nonlinear State Estimation in Wireless Sensor Network. IEEE Transactions on Industrial Electronics, 2021, 68, 5133-5145.	5.2	41
27	A Load-Forecasting-Based Adaptive Parameter Optimization Strategy of STATCOM Using ANNs for Enhancement of LFOD in Power Systems. IEEE Transactions on Industrial Informatics, 2018, 14, 2463-2472.	7.2	40
28	A Fully Decentralized Adaptive Droop Optimization Strategy for Power Loss Minimization in Microgrids With PV-BESS. IEEE Transactions on Energy Conversion, 2019, 34, 385-395.	3.7	39
29	Stochastic Event-Triggered Cubature Kalman Filter for Power System Dynamic State Estimation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 1552-1556.	2.2	38
30	Dynamic State Estimation Based Control Strategy for DFIG Wind Turbine Connected to Complex Power Systems. IEEE Transactions on Power Systems, 2016, , 1-1.	4.6	36
31	A complex network theory analytical approach to power system cascading failure—From a cyber-physical perspective. Chaos, 2019, 29, 053111.	1.0	36
32	Application of Unscented Transform in Frequency Control of a Complex Power System Using Noisy PMU Data. IEEE Transactions on Industrial Informatics, 2016, 12, 853-863.	7.2	35
33	NdBa _{1-x} Co ₂ O ₅ as cathode materials for IT-SOFC. Solid State Ionics, 2016, 288, 54-60.	1.3	34
34	A unified configurational optimization framework for battery swapping and charging stations considering electric vehicle uncertainty. Energy, 2021, 218, 119536.	4.5	34
35	Electrochemical study on Ce _{0.85} Sm _{0.15} O _{1.925} —BaCe _{0.83} Y _{0.17} O ₃ composite electrolyte. Journal of Alloys and Compounds, 2015, 632, 686-694.	2.8	33
36	Discretization-Strategy-Based Solution for Berth Allocation and Quay Crane Assignment Problem. Journal of Marine Science and Engineering, 2022, 10, 495.	1.2	33

#	ARTICLE	IF	CITATIONS
37	Improvement of Stability and Power Factor in PCM Controlled Boost PFC Converter With Hybrid Dynamic Compensation. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 320-328.	3.5	30
38	A simple robust control for global asymptotic position stabilization of underactuated surface vessels. International Journal of Robust and Nonlinear Control, 2017, 27, 5028-5043.	2.1	30
39	Impedance Modeling and Controllers Shaping Effect Analysis of PMSG Wind Turbines. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 1465-1478.	3.7	30
40	Realization of State-Estimation-Based DFIG Wind Turbine Control Design in Hybrid Power Systems Using Stochastic Filtering Approaches. IEEE Transactions on Industrial Informatics, 2016, 12, 1084-1092.	7.2	29
41	A Family of Module-Integrated High Step-Up Converters With Dual Coupled Inductors. IEEE Access, 2018, 6, 16256-16266.	2.6	28
42	Quasi-Decentralized Functional Observers for the LFC of Interconnected Power Systems. IEEE Transactions on Power Systems, 2013, 28, 3513-3514.	4.6	27
43	Voltage Control Strategies for Solid Oxide Fuel Cell Energy System Connected to Complex Power Grids Using Dynamic State Estimation and STATCOM. IEEE Transactions on Power Systems, 2017, 32, 3136-3145.	4.6	27
44	A Novel Universal Interface for Constructing Memory Elements for Circuit Applications. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 4793-4806.	3.5	27
45	A system decomposition approach to the design of functional observers. International Journal of Control, 2014, 87, 1846-1860.	1.2	26
46	A Novel Multi-Shape Chaotic Attractor and Its FPGA Implementation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 2062-2066.	2.2	26
47	Forming a Reliable Hybrid Microgrid Using Electric Spring Coupled With Non-Sensitive Loads and ESS. IEEE Transactions on Smart Grid, 2020, 11, 2867-2879.	6.2	26
48	A Generalized Additional Voltage Pumping Solution for High-Step-Up Converters. IEEE Transactions on Power Electronics, 2019, 34, 6456-6467.	5.4	25
49	An Unscented Particle Filtering Approach to Decentralized Dynamic State Estimation for DFIG Wind Turbines in Multi-Area Power Systems. IEEE Transactions on Power Systems, 2020, 35, 2670-2682.	4.6	25
50	Enhancing the sinterability and electrical properties of BaZr _{0.1} Ce _{0.7} Y _{0.2} O _{3-δ} proton-conducting ceramic electrolyte. Journal of the American Ceramic Society, 2021, 104, 329-342.	1.9	25
51	A Robust Local Positive Feedback Based Performance Enhancement Strategy for Non-Recycling Folded Cascode OTA. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 2897-2908.	3.5	25
52	Effect of MgO addition and grain size on the electrical properties of Ce _{0.9} Gd _{0.1} O _{1.95} electrolyte for IT-SOFCs. International Journal of Hydrogen Energy, 2017, 42, 11735-11744.	3.8	24
53	Shortest Path Planning for Energy-Constrained Mobile Platforms Navigating on Uneven Terrains. IEEE Transactions on Industrial Informatics, 2018, 14, 4264-4272.	7.2	24
54	Exact and heuristic methods for optimizing lock-quay system in inland waterway. European Journal of Operational Research, 2019, 277, 740-755.	3.5	24

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55	An MPC-Based Dual-Solver Optimization Method for DC Microgrids With Simultaneous Consideration of Operation Cost and Power Loss. <i>IEEE Transactions on Power Systems</i> , 2021, 36, 936-947.	4.6	24
56	Experimental Study of Fractional-Order RC Circuit Model Using the Caputo and Caputo-Fabrizio Derivatives. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2021, 68, 1034-1044.	3.5	23
57	A Coupled Memcapacitor Emulator-Based Relaxation Oscillator. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2016, 63, 1101-1105.	2.2	22
58	A Simplified PWM Strategy for Three-Level Converters on Three-Phase Four-Wire Active Power Filter. <i>IEEE Transactions on Power Electronics</i> , 2018, 33, 4396-4406.	5.4	22
59	Deadbeat Control for Single-Inductor Multiple-Output DC-DC Converter With Effectively Reduced Cross Regulation. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020, 8, 3372-3381.	3.7	22
60	An online maximum power point capturing technique for high-efficiency power generation of solar photovoltaic systems. <i>Journal of Modern Power Systems and Clean Energy</i> , 2019, 7, 357-368.	3.3	21
61	A Novel Power and Signal Composite Modulation Approach to Powerline Data Communication for SRM in Distributed Power Grids. <i>IEEE Transactions on Power Electronics</i> , 2021, 36, 10436-10446.	5.4	21
62	A generalised partial-fraction-expansion based frequency weighted balanced truncation technique. <i>International Journal of Control</i> , 2013, 86, 833-843.	1.2	20
63	A DSE-Based SMC Method of Sensorless DFIG Wind Turbines Connected to Power Grids for Energy Extraction and Power Quality Enhancement. <i>IEEE Access</i> , 2018, 6, 76596-76605.	2.6	20
64	Cost-sensitive feature selection via the $\ell_{2,1}$ -norm. <i>International Journal of Approximate Reasoning</i> , 2019, 104, 25-37.	1.9	20
65	A New Modulation-Demodulation Approach to DC Power-line Data Transmission for SRG-Integrated Microgrid. <i>IEEE Transactions on Power Electronics</i> , 2020, 35, 12370-12382.	5.4	20
66	Control Design and Performance Analysis of a Double-Switched LLC Resonant Rectifier for Unity Power Factor and Soft-Switching. <i>IEEE Access</i> , 2020, 8, 44511-44521.	2.6	20
67	A Novel DC-Power Control Method for Cascaded H-Bridge Multilevel Inverter. <i>IEEE Transactions on Industrial Electronics</i> , 2017, 64, 6874-6884.	5.2	19
68	An Enhanced Adaptive Phasor Power Oscillation Damping Approach With Latency Compensation for Modern Power Systems. <i>IEEE Transactions on Power Systems</i> , 2018, 33, 4285-4296.	4.6	19
69	Novel Quasi-Decentralized SMC-Based Frequency and Voltage Stability Enhancement Strategies Using Valve Position Control and FACTS Device. <i>IEEE Access</i> , 2017, 5, 946-955.	2.6	18
70	Efficient and stable symmetrical electrode $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{0.2}\text{Fe}_{0.7}\text{Mo}_{0.1}\text{O}_{3-\delta}$ for direct hydrocarbon solid oxide fuel cells. <i>Electrochimica Acta</i> , 2019, 323, 134857.	2.6	18
71	An enhanced Borg algorithmic framework for solving the hydro-thermal-wind Co-scheduling problem. <i>Energy</i> , 2021, 218, 119512.	4.5	18
72	$\text{Ni}_{1-x}\text{Cu}_x$ -SDC anodes for intermediate temperature solid oxide fuel cell. <i>Solid State Ionics</i> , 2016, 288, 115-119.	1.3	17

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73	Effect of grain size on the electrical properties of strontium and magnesium doped lanthanum gallate electrolytes. <i>Journal of Alloys and Compounds</i> , 2019, 777, 244-251.	2.8	17
74	Roller Bearing Fault Diagnosis Based on Integrated Fault Feature and SVM. <i>Journal of Vibration Engineering and Technologies</i> , 2022, 10, 853-862.	1.3	17
75	Control of sub-harmonic oscillation in peak current mode buck converter with dynamic resonant perturbation. <i>International Journal of Circuit Theory and Applications</i> , 2015, 43, 1399-1411.	1.3	16
76	Adsorptive removal of uranyl ions in aqueous solution using hydrothermal carbon spheres functionalized with 4-aminoacetophenone oxime group. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 312, 187-198.	0.7	16
77	Analysis and generation of chaos using compositely connected coupled memristors. <i>Chaos</i> , 2018, 28, 063115.	1.0	16
78	Advanced four-mode modulation-based four-switch non-inverting buck-boost converter with extra operation zone. <i>IET Power Electronics</i> , 2020, 13, 2049-2059.	1.5	16
79	An Integrated Transmission Expansion and Sectionalizing-Based Black Start Allocation of BESS Planning Strategy for Enhanced Power Grid Resilience. <i>IEEE Access</i> , 2020, 8, 148968-148979.	2.6	16
80	Bifurcation Analysis of Five-Level Cascaded H-Bridge Inverter Using Proportional-Resonant Plus Time-Delayed Feedback. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016, 26, 1630031.	0.7	15
81	A Soft-PWM Approach to Power/Signal Synchronous Transmission for SRG-Based DC Microgrids. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 8450-8460.	5.2	15
82	Multi-bifurcation cascaded bursting oscillations and mechanism in a novel 3D non-autonomous circuit system with parametric and external excitation. <i>Nonlinear Dynamics</i> , 2021, 105, 3699-3714.	2.7	15
83	Controllability Analysis and Verification for High-Order DC-DC Converters Using Switched Linear Systems Theory. <i>IEEE Transactions on Power Electronics</i> , 2021, 36, 9678-9688.	5.4	14
84	Four Novel Embedded Z-Source DC-DC Converters. <i>IEEE Transactions on Power Electronics</i> , 2022, 37, 607-616.	5.4	14
85	On the Existence and Design of Functional Observers for Linear Systems. , 2007, , .		13
86	Modelling and characterization of dynamic behavior of coupled memristor circuits. , 2016, , .		13
87	An Efficient Algorithm for Optimally Reshaping the TP Model Transformation. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2017, 64, 1187-1191.	2.2	13
88	Design and HIL Realization of an Online Adaptive Dynamic Programming Approach for Real-Time Economic Operations of Household Energy Systems. <i>IEEE Transactions on Smart Grid</i> , 2022, 13, 330-341.	6.2	13
89	Dynamic Behavior Study and State Estimator Design for Solid Oxide Fuel Cells in Hybrid Power Systems. <i>IEEE Transactions on Power Systems</i> , 2016, 31, 5190-5199.	4.6	12
90	Impedance Modeling of DFIG Wind Farms With Various Rotor Speeds and Frequency Coupling. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021, 68, 406-410.	2.2	12

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91	An Autonomous Impedance Adaptation Strategy for Wireless Power Transfer System Using Phase-Controlled Switched Capacitors. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 2303-2316.	3.7	12
92	A Self-Protected Single-Stage LLC Resonant Rectifier. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 3361-3372.	3.7	12
93	Impedance Modeling and Stability Analysis of DFIG Wind Farm With LCC-HVDC Transmission. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2022, 12, 7-19.	2.7	12
94	Effects of NiO on the conductivity of Ce _{0.85} Sm _{0.15} O _{1.925} and on electrochemical properties of the cathode/electrolyte interface. Journal of Power Sources, 2016, 320, 86-93.	4.0	11
95	A Comparison Study for the Estimation of SOFC Internal Dynamic States in Complex Power Systems Using Filtering Algorithms. IEEE Transactions on Industrial Informatics, 2017, 13, 1027-1035.	7.2	11
96	Adaptive fuzzy dynamic surface control for uncertain discrete-time non-linear pure-feedback MIMO systems with network-induced time-delay based on state observer. International Journal of Control, 2019, 92, 1707-1719.	1.2	11
97	Enhanced One-Cycle Control for Multicell Power Converters. IEEE Transactions on Power Electronics, 2020, 35, 8846-8856.	5.4	11
98	A novel 3D non-autonomous system with parametrically excited abundant dynamics and bursting oscillations. Chaos, 2020, 30, 043125.	1.0	11
99	An enhanced neighborhood search algorithm for solving the split delivery vehicle routing problem with two-dimensional loading constraints. Computers and Industrial Engineering, 2021, 162, 107720.	3.4	11
100	Optimal intra-day operations of behind-the-meter battery storage for primary frequency regulation provision: A hybrid lookahead method. Energy, 2022, 247, 123482.	4.5	11
101	Electrochemical performance of Ba _{0.8} Sr _{0.2} Co _{0.7} Fe _{0.2} Nb _{0.1} O _{3-δ} “Ce _{0.85} Sm _{0.15} O _{1.925} composite cathodes for intermediate temperature solid oxide fuel cells. Journal of Alloys and Compounds, 2016, 656, 604-611.	2.8	10
102	A Functional Observer Based Dynamic State Estimation Technique for Grid Connected Solid Oxide Fuel Cells. IEEE Transactions on Energy Conversion, 2018, 33, 96-105.	3.7	10
103	Continuous Finite-Time Integral Sliding Mode Control for Attitude Stabilization. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2084-2088.	2.2	10
104	Combined Sliding-Mode Control for the IFDBC Interfaced DC Microgrids With Power Electronic Loads. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 3396-3410.	3.7	10
105	A Novel Fault Diagnosis Technique of Interturn Short-Circuit Fault for SRM in Current Chopper Mode. IEEE Transactions on Industrial Electronics, 2022, 69, 3037-3046.	5.2	10
106	A Stochastic Event-Triggered Robust Cubature Kalman Filtering Approach to Power System Dynamic State Estimation With Non-Gaussian Measurement Noises. IEEE Transactions on Control Systems Technology, 2023, 31, 889-896.	3.2	10
107	Simulation of fuzzy-modified expert PID algorithms for blood glucose control. , 2008, , .		9
108	Energy-Efficient Anti-Flocking Control for Mobile Sensor Networks on Uneven Terrains. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 2022-2026.	2.2	9

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109	An Aerodynamics-Based Novel Optimal Power Extraction Strategy for Offshore Wind Farms With Central VSCs. IEEE Access, 2018, 6, 44351-44361.	2.6	9
110	A PWM Strategy Based on State Transition for Cascaded H-Bridge Inverter Under Unbalanced DC Sources. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 1686-1700.	3.7	9
111	A Family of Binary Memristor-Based Low-Pass Filters With Controllable Cut-Off Frequency. IEEE Access, 2020, 8, 60199-60209.	2.6	9
112	Square-Root Sigma-Point Filtering Approach to State Estimation for Wind Turbine Generators in Interconnected Energy Systems. IEEE Systems Journal, 2021, 15, 1557-1566.	2.9	9
113	Optimally solving the generalized serial-lock scheduling problem from a graph-theory-based multi-commodity network perspective. European Journal of Operational Research, 2021, 288, 47-62.	3.5	9
114	An exact approach to the generalized serial-lock scheduling problem from a flexible job-shop scheduling perspective. Computers and Operations Research, 2021, 127, 105164.	2.4	9
115	MPC-based double-layer real-time conditional self-restoration for interconnected microgrids. International Journal of Electrical Power and Energy Systems, 2021, 129, 106745.	3.3	9
116	A multi-timescale smart grid energy management system based on adaptive dynamic programming and Multi-NN Fusion prediction method. Knowledge-Based Systems, 2022, 241, 108284.	4.0	9
117	Parameter Identification of Integrated Model of Hydraulic Turbine Regulating System With Uncertainties Using Three Different Approaches. IEEE Transactions on Power Systems, 2017, 32, 3482-3491.	4.6	8
118	Inherently Non-Pulsating Input Current DC-DC Converter for Battery Storage Systems. IEEE Access, 2020, 8, 140293-140302.	2.6	8
119	A Novel Non-Autonomous Chaotic System With Infinite 2-D Lattice of Attractors and Bursting Oscillations. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 1023-1027.	2.2	8
120	Mathematical programming models for scheduling multiple cascaded waterway locks. Computers and Industrial Engineering, 2021, 156, 107289.	3.4	8
121	Impedance Strengthening and Weakening Networks for Power Converter Analysis and Design. IEEE Transactions on Power Electronics, 2021, 36, 9717-9721.	5.4	8
122	A novel observer-based approach to delay-dependent LFC of power systems with actuator faults and uncertain communications conditions. International Journal of Electrical Power and Energy Systems, 2021, 131, 106957.	3.3	8
123	A Novel Adaptive Model Predictive Control for Proton Exchange Membrane Fuel Cell in DC Microgrids. IEEE Transactions on Smart Grid, 2022, 13, 1801-1812.	6.2	8
124	A Graph-Modeling Approach to Topology Simplification in Power Converters. IEEE Transactions on Power Electronics, 2022, 37, 8248-8261.	5.4	8
125	Functional Observability. , 2010, , .		7
126	Impedance Modeling and Stability Analysis of All-DC Delivered Offshore Wind Farm. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2022, 12, 20-28.	2.7	7

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127	OFDM-Based Intrinsically Safe Power and Signal Synchronous Transmission for CC-PT-Controlled Buck Converters. IEEE Transactions on Power Electronics, 2022, 37, 10319-10331.	5.4	7
128	Optimal control in diabetes. Optimal Control Applications and Methods, 2011, 32, 181-184.	1.3	6
129	Modelling and analysis of signal flow platform implementation into retinal cell pathway. , 2016, , .		6
130	Synergistic electron doping and ion conductive phase incorporating of SrCoO ₃ - as desirable cathode materials for intermediate-temperature solid oxide fuel cells. Ceramics International, 2020, 46, 28332-28341.	2.3	6
131	Hourglass-shaped impedance network based nonelectrolytic capacitors high step-up converter with low voltage stress. International Journal of Circuit Theory and Applications, 2021, 49, 1147-1163.	1.3	6
132	A Novel Power and Signal Composite Modulation Strategy for CCC-Based SRG in Distributed Microgrid. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2021, 11, 121-132.	2.7	6
133	A General Polynomial Reverse Design of Step-Up Converters for EV Battery Applications. IEEE Transactions on Vehicular Technology, 2022, 71, 2628-2638.	3.9	6
134	An any-unit method for hybrid-structured voltage equalizer in series-connected battery/supercapacitor strings. International Journal of Circuit Theory and Applications, 2022, 50, 2016-2034.	1.3	6
135	Power system dynamic state estimation using particle filter. , 2014, , .		5
136	A design of single-switch two-stage DC-DC converters with PWM and PFM for off-grid solar power system. Chinese Journal of Electrical Engineering, 2017, 3, 44-51.	2.3	5
137	An Investigation into Cascading Failure in Large-Scale Electric Grids: A Load-Redistribution Approach. Applied Sciences (Switzerland), 2018, 8, 1033.	1.3	5
138	An Investigation of the Impact of PV Penetration and BESS Capacity on Islanded Microgrids—A Small-Signal Based Analytical Approach. , 2019, , .		5
139	An Adaptive-Phasor Approach to PMU Measurement Rectification for LFOD Enhancement. IEEE Transactions on Power Systems, 2019, 34, 3941-3950.	4.6	5
140	H_{∞} Functional Filtering for Linear Systems With Unknown Inputs. IEEE Transactions on Automatic Control, 2021, 66, 4858-4865.	3.6	5
141	Generalized Flexible Voltage Pumping Module for Extra High Voltage Gain Converters in Electric Vehicles. IEEE Transactions on Vehicular Technology, 2021, 70, 6463-6471.	3.9	5
142	An advanced incremental conductance MPPT technique considering time-varying solar irradiances. IOP Conference Series: Earth and Environmental Science, 2019, 322, 012017.	0.2	4
143	Dynamic surface control for discrete-time strict-feedback systems with network-induced delays using predictive event-triggered strategy. International Journal of Systems Science, 2019, 50, 337-350.	3.7	4
144	Nonlinear H ₂ Filtering Based on Tensor Product Model Transformation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 1074-1078.	2.2	4

#	ARTICLE	IF	CITATIONS
145	Global smooth leaderless consensus control of high-order nonholonomic chained systems. International Journal of Control, 2022, 95, 81-92.	1.2	4
146	An extendable single-switch cell boost converter with high voltage gain and low components stress for renewable energy. International Journal of Circuit Theory and Applications, 2020, 48, 817-831.	1.3	4
147	Novel method to operation conditions identification of high-order power converters. Journal of Advanced Research, 2021, 28, 175-181.	4.4	4
148	A parameter-averaging approach to converter system order reduction. Electrical Engineering, 2021, 103, 2021-2034.	1.2	4
149	Robust smooth control for global uniform asymptotic stabilization of underactuated surface vessels with unknown model parameters. Asian Journal of Control, 2022, 24, 872-884.	1.9	4
150	Functional Detectability and Asymptotic Functional Observer Design. IEEE Transactions on Automatic Control, 2023, 68, 975-990.	3.6	4
151	Operation optimization of wind-thermal systems considering emission problem. , 2014, , .		3
152	Rough sets and Laplacian score based cost-sensitive feature selection. PLoS ONE, 2018, 13, e0197564.	1.1	3
153	Advanced small-signal based analytical approach to modelling high-order power converters. IET Power Electronics, 2019, 12, 228-236.	1.5	3
154	A novel patch-matching 2D denoising method for fault diagnosis of roller bearings. Measurement Science and Technology, 2020, 31, 115018.	1.4	3
155	An X-shaped-switching-network high-step-up converter for grid integration of renewable energy sources. AEU - International Journal of Electronics and Communications, 2021, 136, 153776.	1.7	3
156	Impedance modeling and analysis of voltage-source converter based high-voltage direct current system for grid-connected wind farm. International Journal of Circuit Theory and Applications, 2022, 50, 2759-2776.	1.3	3
157	Zero-input current ripple high voltage gain DC-DC converters: A new design approach. International Journal of Circuit Theory and Applications, 2022, 50, 2671-2686.	1.3	3
158	A New Robust Integral Reinforcement Learning Based Control Algorithm for Interleaved DC/DC Boost Converter. IEEE Transactions on Industrial Electronics, 2023, 70, 3729-3739.	5.2	3
159	A Novel Adaptive Model Predictive Control Strategy of Solid Oxide Fuel Cell in DC Microgrids. IEEE Transactions on Industry Applications, 2022, 58, 6639-6654.	3.3	3
160	A Kernel-Based Real-Time Adaptive Dynamic Programming Method for Economic Household Energy Systems. IEEE Transactions on Industrial Informatics, 2023, 19, 2374-2384.	7.2	3
161	Design of sliding mode functional observers for time-delay systems of neutral type. , 2008, , .		2
162	Spatial control of a large Pressurized Heavy Water Reactor using sliding mode observer and control. , 2008, , .		2

#	ARTICLE	IF	CITATIONS
163	Stabilization of fast-scale instabilities in PCM boost PFC converter with dynamic slope compensation. , 2015, , .		2
164	A dynamic state estimation based sliding mode controller for wind energy generation system connected to multimachine grids. , 2016, , .		2
165	Variable length encoded genetic algorithm for optimal electrical distribution network routing. , 2017, , .		2
166	An Adaptive Optimization Method for LFOD Enhancement in DFIG Integrated Smart Grids. , 2018, , .		2
167	A Five-Terminal Impedance Network Based Three-Port Converter. IEEE Access, 2018, 6, 29474-29485.	2.6	2
168	A Novel Alternative to Traditional HSLC: An -Switched-Cell Based Approach to High-Step-up Converters. IEEE Access, 2019, 7, 114529-114538.	2.6	2
169	Dynamic surface control for discrete-time strict-feedback systems with network-induced time-varying delays and packets loss. International Journal of Control, 2021, 94, 2094-2103.	1.2	2
170	A Novel Impedance-Network-Based Electric Spring. IEEE Access, 2020, 8, 129123-129135.	2.6	2
171	Non-electrolytic capacitor boost converter with non-pulsating ripple-free output current. International Journal of Circuit Theory and Applications, 2021, 49, 2719-2735.	1.3	2
172	Replacing All ECs With NECs in Step-Up Converters—A Systematic Approach. IEEE Transactions on Power Electronics, 2022, 37, 31-36.	5.4	2
173	An adaptive model predictive control strategy for a class of discrete-time linear systems with parametric uncertainty. International Journal of Adaptive Control and Signal Processing, 2021, 35, 2389-2405.	2.3	2
174	Shaping Effect of Phase-locked Loop on Impedance Characteristics of PMSG Wind Turbines Connected to Weak-grid. , 2020, , .		2
175	A Novel Adaptive Model Predictive Control Strategy of Solid Oxide Fuel Cell in Power Systems. , 2021, , .		2
176	A Multi-objective Constraint-handling based Approach for Short-term Hydro-thermal-wind Co-scheduling Problem. , 2020, , .		2
177	Pinning Decision in Interconnected Systems with Communication Disruptions under Multi-Agent Distributed Control Topology. International Journal of Robotics and Control Systems, 2021, 2, 18-36.	0.6	2
178	Design of distributed functional observers for interconnected time-delay systems. , 2013, , .		1
179	Low-order estimation scheme for large-scale systems with interconnection delays. , 2014, , .		1
180	A novel quasi-decentralized functional observer approach to LFC of interconnected power systems. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
181	Central Difference Kalman Filter Approach Based Decentralized Dynamic States Estimator for DFIG Wind Turbines in Power Systems. , 2019, , .		1
182	Asymptotic Leaderless Consensus Control of Nonholonomic Chained Systems. , 2019, , .		1
183	Proton Exchange Membrane Fuel Cell in DC Microgrids with a New Adaptive Model Predictive Control. , 2021, , .		1
184	Memristor-based logic gate and its application in pulse train controlled Buck converter. International Journal of Circuit Theory and Applications, 0, , .	1.3	1
185	Solution for QoS communication in China railway control and management system. , 0, , .		0
186	Stability of 2-D Characteristic Polynomials. , 2007, , .		0
187	Call for Papers: "Optimal Control in Diabetes"™. Optimal Control Applications and Methods, 2008, 29, 411-411.	1.3	0
188	Call for Papers: "Optimal Control in Diabetes"™. Optimal Control Applications and Methods, 2009, 30, 221-221.	1.3	0
189	Vehicle Path Planning Method Based on Particle Swarm Optimization Algorithm. Advanced Materials Research, 0, 468-471, 2745-2748.	0.3	0
190	Live demonstration: Signal flow platform implementation into retinal cell pathway. , 2016, , .		0
191	Multiple fault location in three-terminal transmission lines. , 2017, , .		0
192	An advanced maximum power point capturing technique with supercapacitor for PV system. , 2018, , .		0
193	Cascading Failure Model Considering Multi-Step Attack Strategy. , 2018, , .		0
194	A Perturbation and Observation Approach to Decentralized Power Loss Minimization in AC Microgrids. , 2019, , .		0
195	Reformulation of a Linear Program to Reduce the Average Current in a Modular Multilevel Converter. , 2019, , .		0
196	Robust Field-weakening Operation of Sensorless Direct Torque and Flux Controlled Flywheel Energy Storage in Wide Speed Range. , 2019, , .		0
197	A Waveform-Subtraction Based Single-Stage Ripple-Suppression Converter Family for Multiple Waveform Generation. IEEE Transactions on Industrial Electronics, 2020, 67, 1890-1898.	5.2	0
198	Guest Editorial Stability and Robustness of Power Grids With High Penetration of Power Electronics. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2021, 11, 1-4.	2.7	0

#	ARTICLE	IF	CITATIONS
199	A Review on Cascaded Multilevel Inverter Control Strategies. , 2021, , .		0
200	Optimization of Reconfigurable Islanded Microgrids using Random Forest Classifier. , 2021, , .		0