

Samson Shenglong Yu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

170
papers

1,929
citations

25
h-index

33
g-index

201
ext. papers

2,690
ext. citations

5
avg, IF

5.54
L-index

#	Paper	IF	Citations
170	A multi-timescale smart grid energy management system based on adaptive dynamic programming and Multi-NN Fusion prediction method. <i>Knowledge-Based Systems</i> , 2022 , 241, 108284	7.3	0
169	Impedance Modeling and Stability Analysis of DFIG Wind Farm with LCC-HVDC Transmission. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , 2022 , 1-1	5.2	4
168	A Novel Adaptive Model Predictive Control for Proton Exchange Membrane Fuel Cell in DC Microgrids. <i>IEEE Transactions on Smart Grid</i> , 2022 , 1-1	10.7	0
167	Impedance Modeling and Stability Analysis of All-DC Delivered Offshore Wind Farm. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , 2022 , 1-1	5.2	1
166	Four Novel Embedded Z-Source DCDC Converters. <i>IEEE Transactions on Power Electronics</i> , 2022 , 37, 607-616	7.2	4
165	Replacing All ECs With NECs in Step-Up Converters: A Systematic Approach. <i>IEEE Transactions on Power Electronics</i> , 2022 , 37, 31-36	7.2	1
164	OFDM-Based Intrinsically Safe Power and Signal Synchronous Transmission for CC-PT-Controlled Buck Converters. <i>IEEE Transactions on Power Electronics</i> , 2022 , 1-1	7.2	3
163	Functional Detectability and Asymptotic Functional Observer Design. <i>IEEE Transactions on Automatic Control</i> , 2022 , 1-1	5.9	1
162	Discretization-Strategy-Based Solution for Berth Allocation and Quay Crane Assignment Problem. <i>Journal of Marine Science and Engineering</i> , 2022 , 10, 495	2.4	10
161	Optimal intra-day operations of behind-the-meter battery storage for primary frequency regulation provision: A hybrid lookahead method. <i>Energy</i> , 2022 , 247, 123482	7.9	1
160	A Graph-Modeling Approach to Topology Simplification in Power Converters. <i>IEEE Transactions on Power Electronics</i> , 2022 , 37, 8248-8261	7.2	0
159	A General Polynomial Reverse Design of Step-up Converters for EV Battery Applications. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 1-1	6.8	0
158	An adaptive model predictive control strategy for a class of discrete-time linear systems with parametric uncertainty. <i>International Journal of Adaptive Control and Signal Processing</i> , 2021 , 35, 2389	2.8	
157	An enhanced neighborhood search algorithm for solving the split delivery vehicle routing problem with two-dimensional loading constraints. <i>Computers and Industrial Engineering</i> , 2021 , 162, 107720	6.4	1
156	Guest Editorial Stability and Robustness of Power Grids With High Penetration of Power Electronics. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , 2021 , 11, 1-4	5.2	
155	A unified configurational optimization framework for battery swapping and charging stations considering electric vehicle uncertainty. <i>Energy</i> , 2021 , 218, 119536	7.9	13
154	A Novel Non-Autonomous Chaotic System With Infinite 2-D Lattice of Attractors and Bursting Oscillations. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021 , 68, 1023-1027	3.5	5

153	An Autonomous Impedance Adaptation Strategy for Wireless Power Transfer System Using Phase-Controlled Switched Capacitors. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 9, 2303-2316	5.6	5
152	Non-electrolytic-capacitor boost converter with non-pulsating ripple-free output current. <i>International Journal of Circuit Theory and Applications</i> , 2021 , 49, 2719-2735	2	0
151	A Self-Protected Single-Stage LLC Resonant Rectifier. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 9, 3361-3372	5.6	5
150	Mathematical programming models for scheduling multiple cascaded waterway locks. <i>Computers and Industrial Engineering</i> , 2021 , 156, 107289	6.4	3
149	Generalized Flexible Voltage Pumping Module for Extra High Voltage Gain Converters in Electric Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 6463-6471	6.8	0
148	Application of Event-Triggered Cubature Kalman Filter for Remote Nonlinear State Estimation in Wireless Sensor Network. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 5133-5145	8.9	20
147	Square-Root Sigma-Point Filtering Approach to State Estimation for Wind Turbine Generators in Interconnected Energy Systems. <i>IEEE Systems Journal</i> , 2021 , 15, 1557-1566	4.3	4
146	Optimally solving the generalized serial-lock scheduling problem from a graph-theory-based multi-commodity network perspective. <i>European Journal of Operational Research</i> , 2021 , 288, 47-62	5.6	2
145	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	3.5	6
144	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	7	9
143	Roles of Dynamic State Estimation in Power System Modeling, Monitoring and Operation. <i>IEEE Transactions on Power Systems</i> , 2021 , 36, 2462-2472	7	26
142	Enhancing the sinterability and electrical properties of BaZr _{0.1} Ce _{0.7} Y _{0.2} O _{3-δ} proton-conducting ceramic electrolyte. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 329-342	3.8	3
141	Novel method to operation conditions identification of high-order power converters. <i>Journal of Advanced Research</i> , 2021 , 28, 175-181	13	2
140	Hourglass-shaped impedance network based nonelectrolytic capacitors high step-up converter with low voltage stress. <i>International Journal of Circuit Theory and Applications</i> , 2021 , 49, 1147-1163	2	3
139	An enhanced Borg algorithmic framework for solving the hydro-thermal-wind Co-scheduling problem. <i>Energy</i> , 2021 , 218, 119512	7.9	6
138	An exact approach to the generalized serial-lock scheduling problem from a flexible job-shop scheduling perspective. <i>Computers and Operations Research</i> , 2021 , 127, 105164	4.6	3
137	. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 9, 1465-1478	5.6	7
136	Controllability Analysis and Verification for High-Order DCDC Converters Using Switched Linear Systems Theory. <i>IEEE Transactions on Power Electronics</i> , 2021 , 1-1	7.2	3

135	A Novel Fault Diagnosis Technique of Inter-turn Short-Circuit Fault for SRM in Current Chopper Mode. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	1
134	A parameter-averaging approach to converter system order reduction. <i>Electrical Engineering</i> , 2021 , 103, 2021-2034	1.5	0
133	A Novel Power and Signal Composite Modulation Strategy for CCC-Based SRG in Distributed Microgrid. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , 2021 , 11, 121-132	5.2	3
132	MPC-based double-layer real-time conditional cSelf-restoration for interconnected microgrids. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 129, 106745	5.1	3
131	An X-shaped-switching-network high-step-up converter for grid integration of renewable energy sources. <i>AEU - International Journal of Electronics and Communications</i> , 2021 , 136, 153776	2.8	1
130	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	5	4
129	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	7.2	10
128	Impedance Strengthening and Weakening Networks for Power Converter Analysis and Design. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 9717-9721	7.2	4
127	A novel observer-based approach to delay-dependent LFC of power systems with actuator faults and uncertain communications conditions. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 131, 106957	5.1	2
126	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> , 2021 , 1-1	10.7	3
125	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 , 1-11	3.9	6
124	Dynamic State Estimation for Power System Control and Protection. <i>IEEE Transactions on Power Systems</i> , 2021 , 1-1	7	9
123	Pinning Decision in Interconnected Systems with Communication Disruptions under Multi-Agent Distributed Control Topology. <i>International Journal of Robotics and Control Systems</i> , 2021 , 2, 18-36		0
122	Global smooth leaderless consensus control of high-order nonholonomic chained systems. <i>International Journal of Control</i> , 2020 , 1-12	1.5	1
121	Enhanced One-Cycle Control for Multicell Power Converters. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 8846-8856	7.2	6
120	Deadbeat Control for Single-Inductor Multiple-Output DCDC Converter With Effectively Reduced Cross Regulation. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020 , 8, 3372-3381	5.6	12
119	Dynamic behaviors of hyperbolic-type memristor-based Hopfield neural network considering synaptic crosstalk. <i>Chaos</i> , 2020 , 30, 033108	3.3	16
118	Combined Sliding-Mode Control for the IFDBC Interfaced DC Microgrids With Power Electronic Loads. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020 , 8, 3396-3410	5.6	5

117	A novel patch-matching 2D denoising method for fault diagnosis of roller bearings. <i>Measurement Science and Technology</i> , 2020 , 31, 115018	2	0
116	An Unscented Particle Filtering Approach to Decentralized Dynamic State Estimation for DFIG Wind Turbines in Multi-Area Power Systems. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 2670-2682	7	11
115	Forming a Reliable Hybrid Microgrid Using Electric Spring Coupled With Non-Sensitive Loads and ESS. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 2867-2879	10.7	8
114	A New ModulationDemodulation Approach to DC Power-line Data Transmission for SRG-Integrated Microgrid. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 12370-12382	7.2	13
113	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	3.5	12
112	A Family of Binary Memristor-Based Low-Pass Filters With Controllable Cut-Off Frequency. <i>IEEE Access</i> , 2020 , 8, 60199-60209	3.5	2
111	A novel 3D non-autonomous system with parametrically excited abundant dynamics and bursting oscillations. <i>Chaos</i> , 2020 , 30, 043125	3.3	5
110	An extendable single-switch n-cell boost converter with high voltage gain and low components stress for renewable energy. <i>International Journal of Circuit Theory and Applications</i> , 2020 , 48, 817-831	2	3
109	A Robust Local Positive Feedback Based Performance Enhancement Strategy for Non-Recycling Folded Cascode OTA. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2020 , 67, 2897-2908	3.9	12
108	A Simple Floating Mutator for Emulating Memristor, Memcapacitor, and Meminductor. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020 , 67, 1334-1338	3.5	32
107	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	8.9	8
106	Continuous Finite-Time Integral Sliding Mode Control for Attitude Stabilization. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020 , 67, 2084-2088	3.5	8
105	LLC resonant converter topologies and industrial applications [A review]. <i>Chinese Journal of Electrical Engineering</i> , 2020 , 6, 73-84	4	24
104	Advanced four-mode-modulation-based four-switch non-inverting buckBoost converter with extra operation zone. <i>IET Power Electronics</i> , 2020 , 13, 2049-2059	2.2	7
103	. <i>IEEE Access</i> , 2020 , 8, 140293-140302	3.5	4
102	Synergistic electron doping and ion conductive phase incorporating of SrCoO ₃ - as desirable cathode materials for intermediate-temperature solid oxide fuel cells. <i>Ceramics International</i> , 2020 , 46, 28332-28341	5.1	3
101	A Novel Impedance-Network-Based Electric Spring. <i>IEEE Access</i> , 2020 , 8, 129123-129135	3.5	1
100	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	3.5	5

99	\mathcal{H}_∞ Functional Filtering for Linear Systems With Unknown Inputs. <i>IEEE Transactions on Automatic Control</i> , 2020 , 1-1	5.9	0
98	A Waveform-Subtraction Based Single-Stage Ripple-Suppression Converter Family for Multiple Waveform Generation. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 1890-1898	8.9	
97	A PWM Strategy Based on State Transition for Cascaded H-Bridge Inverter Under Unbalanced DC Sources. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020 , 8, 1686-1700	5.6	4
96	Nonlinear \mathcal{H}_∞ Filtering Based on Tensor Product Model Transformation. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020 , 67, 1074-1078	3.5	1
95	A Novel Alternative to Traditional n HSLC: An n -Switched-Cell Based Approach to High-Step-up Converters. <i>IEEE Access</i> , 2019 , 7, 114529-114538	3.5	2
94	Efficient and stable symmetrical electrode La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.7} Mo _{0.1} O ₃ for direct hydrocarbon solid oxide fuel cells. <i>Electrochimica Acta</i> , 2019 , 323, 134857	6.7	11
93	A complex network theory analytical approach to power system cascading failure-From a cyber-physical perspective. <i>Chaos</i> , 2019 , 29, 053111	3.3	24
92	A Novel Multi-Shape Chaotic Attractor and Its FPGA Implementation. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2019 , 66, 2062-2066	3.5	11
91	Exact and heuristic methods for optimizing lock-quay system in inland waterway. <i>European Journal of Operational Research</i> , 2019 , 277, 740-755	5.6	11
90	. <i>IEEE Transactions on Power Systems</i> , 2019 , 34, 3941-3950	7	3
89	A Nested Tensor Product Model Transformation. <i>IEEE Transactions on Fuzzy Systems</i> , 2019 , 27, 1-15	8.3	33
88	An advanced incremental conductance MPPT technique considering time-varying solar irradiances. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 322, 012017	0.3	4
87	A Novel Universal Interface for Constructing Memory Elements for Circuit Applications. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2019 , 66, 4793-4806	3.9	18
86	Central Difference Kalman Filter Approach Based Decentralized Dynamic States Estimator for DFIG Wind Turbines in Power Systems 2019 ,		1
85	Asymptotic Leaderless Consensus Control of Nonholonomic Chained Systems 2019 ,		1
84	Advanced small-signal-based analytical approach to modelling high-order power converters. <i>IET Power Electronics</i> , 2019 , 12, 228-236	2.2	3
83	Dynamic surface control for discrete-time strict-feedback systems with network-induced time-varying delays and packets loss. <i>International Journal of Control</i> , 2019 , 1-10	1.5	2
82	Stochastic Event-Triggered Cubature Kalman Filter for Power System Dynamic State Estimation. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2019 , 66, 1552-1556	3.5	25

81	A Generalized Additional Voltage Pumping Solution for High-Step-Up Converters. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 6456-6467	7.2	16
80	Cost-sensitive feature selection via the $\ell_{1,1}$ -norm. <i>International Journal of Approximate Reasoning</i> , 2019 , 104, 25-37	3.6	11
79	Dynamic surface control for discrete-time strict-feedback systems with network-induced delays using predictive event-triggered strategy. <i>International Journal of Systems Science</i> , 2019 , 50, 337-350	2.3	4
78	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	5.7	8
77	A Fully Decentralized Adaptive Droop Optimization Strategy for Power Loss Minimization in Microgrids With PV-BESS. <i>IEEE Transactions on Energy Conversion</i> , 2019 , 34, 385-395	5.4	24
76	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	4	9
75	Adaptive fuzzy dynamic surface control for uncertain discrete-time non-linear pure-feedback MIMO systems with network-induced time-delay based on state observer. <i>International Journal of Control</i> , 2019 , 92, 1707-1719	1.5	7
74	Event-Trigger Heterogeneous Nonlinear Filter for Wide-Area Measurement Systems in Power Grid. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 2752-2764	10.7	44
73	Simplified Load-Feedforward Control Design for Dual-Active-Bridge Converters With Current-Mode Modulation. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2018 , 6, 2073-2085	5.6	29
72	Energy-Efficient Anti-Flocking Control for Mobile Sensor Networks on Uneven Terrains. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2018 , 65, 2022-2026	3.5	7
71	A Family of Module-Integrated High Step-Up Converters With Dual Coupled Inductors. <i>IEEE Access</i> , 2018 , 6, 16256-16266	3.5	17
70	A new formation control of multiple underactuated surface vessels. <i>International Journal of Control</i> , 2018 , 91, 1011-1022	1.5	45
69	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	7.2	15
68	A Novel Control Strategy of DFIG Wind Turbines in Complex Power Systems for Enhancement of Primary Frequency Response and LFOD. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 1811-1823	7	30
67	Event-Trigger Particle Filter for Smart Grids With Limited Communication Bandwidth Infrastructure. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 6918-6928	10.7	42
66	A Functional Observer Based Dynamic State Estimation Technique for Grid Connected Solid Oxide Fuel Cells. <i>IEEE Transactions on Energy Conversion</i> , 2018 , 33, 96-105	5.4	9
65	A Load-Forecasting-Based Adaptive Parameter Optimization Strategy of STATCOM Using ANNs for Enhancement of LFOD in Power Systems. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 2463-2472	11.9	26
64	An Investigation into Cascading Failure in Large-Scale Electric Grids: A Load-Redistribution Approach. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1033	2.6	2

63	. <i>IEEE Access</i> , 2018 , 6, 44351-44361	3.5	5
62	Analysis and generation of chaos using compositely connected coupled memristors. <i>Chaos</i> , 2018 , 28, 063115	3.3	12
61	Shortest Path Planning for Energy-Constrained Mobile Platforms Navigating on Uneven Terrains. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 4264-4272	11.9	12
60	Demand-Side Regulation Provision From Industrial Loads Integrated With Solar PV Panels and Energy Storage System for Ancillary Services. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 5038-5049	11.9	32
59	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	7	13
58	Rough sets and Laplacian score based cost-sensitive feature selection. <i>PLoS ONE</i> , 2018 , 13, e0197564	3.7	3
57	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	3.5	9
56	A Five-Terminal Impedance Network Based Three-Port Converter. <i>IEEE Access</i> , 2018 , 6, 29474-29485	3.5	1
55	Stochastic Stability Condition for the Extended Kalman Filter With Intermittent Observations. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2017 , 64, 334-338	3.5	29
54	An Impedance Network Boost Converter With a High-Voltage Gain. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 6661-6665	7.2	37
53	A New Circuit for Emulating Memristors Using Inductive Coupling. <i>IEEE Access</i> , 2017 , 5, 1284-1295	3.5	33
52	A DSE-Based Power System Frequency Restoration Strategy for PV-Integrated Power Systems Considering Solar Irradiance Variations. <i>IEEE Transactions on Industrial Informatics</i> , 2017 , 13, 2511-2518	11.9	31
51	A simple robust control for global asymptotic position stabilization of underactuated surface vessels. <i>International Journal of Robust and Nonlinear Control</i> , 2017 , 27, 5028-5043	3.6	21
50	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. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 11735-11744	6.7	14
49	A Novel DC-Power Control Method for Cascaded H-Bridge Multilevel Inverter. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 6874-6884	8.9	12
48	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	1.5	15
47	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	3.5	9
46	Parameter Identification of Integrated Model of Hydraulic Turbine Regulating System With Uncertainties Using Three Different Approaches. <i>IEEE Transactions on Power Systems</i> , 2017 , 32, 3482-3491	7	6

45	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	3.5	12
44	A Comparison Study for the Estimation of SOFC Internal Dynamic States in Complex Power Systems Using Filtering Algorithms. <i>IEEE Transactions on Industrial Informatics</i> , 2017 , 13, 1027-1035	11.9	10
43	Voltage Control Strategies for Solid Oxide Fuel Cell Energy System Connected to Complex Power Grids Using Dynamic State Estimation and STATCOM. <i>IEEE Transactions on Power Systems</i> , 2017 , 32, 3136-3145 ¹⁷	7	17
42	Variable length encoded genetic algorithm for optimal electrical distribution network routing 2017 ,		1
41	A design of single-switch two-stage DC-DC converters with PWM and PFM for off-grid solar power system. <i>Chinese Journal of Electrical Engineering</i> , 2017 , 3, 44-51	4	4
40	Dynamic State Estimation Based Control Strategy for DFIG Wind Turbine Connected to Complex Power Systems. <i>IEEE Transactions on Power Systems</i> , 2016 , 1-1	7	22
39	Parameter Identification of Chaotic and Hyper-Chaotic Systems Using Synchronization-Based Parameter Observer. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2016 , 63, 1464-1475	3.9	30
38	A dynamic state estimation based sliding mode controller for wind energy generation system connected to multimachine grids 2016 ,		2
37	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	2	13
36	Ni _{1-x} Cu _x SDC anodes for intermediate temperature solid oxide fuel cell. <i>Solid State Ionics</i> , 2016 , 288, 115-119	3.3	9
35	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	7	11
34	NdBa _{1-x} Co ₂ O ₅ +δs cathode materials for IT-SOFC. <i>Solid State Ionics</i> , 2016 , 288, 54-60	3.3	22
33	State Estimation of Doubly Fed Induction Generator Wind Turbine in Complex Power Systems. <i>IEEE Transactions on Power Systems</i> , 2016 , 31, 4935-4944	7	38
32	A Novel Quasi-Decentralized Functional Observer Approach to LFC of Interconnected Power Systems. <i>IEEE Transactions on Power Systems</i> , 2016 , 31, 3139-3151	7	34
31	. <i>IEEE Transactions on Industrial Informatics</i> , 2016 , 12, 853-863	11.9	27
30	Electrochemical performance of Ba _{0.8} Sr _{0.2} Co _{0.7} Fe _{0.2} Nb _{0.1} O _{3-x} Te _{0.85} Sm _{0.15} O _{1.925} composite cathodes for intermediate temperature solid oxide fuel cells. <i>Journal of Alloys and Compounds</i> , 2016 , 656, 604-611	5.7	8
29	Modelling and analysis of signal flow platform implementation into retinal cell pathway 2016 ,		4
28	A TICT based two-photon fluorescent probe for bisulfite anion and its application in living cells. <i>Sensors and Actuators B: Chemical</i> , 2016 , 235, 362-369	8.5	46

27	Realization of State-Estimation-Based DFIG Wind Turbine Control Design in Hybrid Power Systems Using Stochastic Filtering Approaches. <i>IEEE Transactions on Industrial Informatics</i> , 2016 , 12, 1084-1092	11.9	20
26	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. <i>Journal of Power Sources</i> , 2016 , 320, 86-93	8.9	7
25	Modelling and characterization of dynamic behavior of coupled memristor circuits 2016 ,		12
24	A Coupled Memcapacitor Emulator-Based Relaxation Oscillator. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2016 , 63, 1101-1105	3.5	19
23	A ratiometric two-photon fluorescent probe for hydrazine and its applications. <i>Sensors and Actuators B: Chemical</i> , 2015 , 220, 1338-1345	8.5	48
22	Stabilization of fast-scale instabilities in PCM boost PFC converter with dynamic slope compensation 2015 ,		1
21	Particle Filter Approach to Dynamic State Estimation of Generators in Power Systems. <i>IEEE Transactions on Power Systems</i> , 2015 , 30, 2665-2675	7	58
20	Dynamic Behavior of Coupled Memristor Circuits. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2015 , 62, 1607-1616	3.9	36
19	Cooperative Dispatch of BESS and Wind Power Generation Considering Carbon Emission Limitation in Australia. <i>IEEE Transactions on Industrial Informatics</i> , 2015 , 11, 1313-1323	11.9	30
18	Improvement of Stability and Power Factor in PCM Controlled Boost PFC Converter With Hybrid Dynamic Compensation. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2015 , 62, 320-328	3.9	25
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