Hongchun Shu

List of Publications by Citations

38 papers	1,334 citations	14 h-index	36 g-index
39 ext. papers	1,847 ext. citations	4.4 avg, IF	5.09 L-index

#	Paper	IF	Citations
38	Robust sliding-mode control of wind energy conversion systems for optimal power extraction via nonlinear perturbation observers. *Applied Energy*, **2018**, 210, 711-723	10.7	226
37	Grouped grey wolf optimizer for maximum power point tracking of doubly-fed induction generator based wind turbine. *Energy Conversion and Management*, **2017**, 133, 427-443	10.6	220
36	Novel bio-inspired memetic salp swarm algorithm and application to MPPT for PV systems considering partial shading condition. *Journal of Cleaner Production*, **2019**, 215, 1203-1222	10.3	194
35	Passivity-based sliding-mode control design for optimal power extraction of a PMSG based variable speed wind turbine. *Renewable Energy*, **2018**, 119, 577-589	8.1	177
34	Dynamic leader based collective intelligence for maximum power point tracking of PV systems affected by partial shading condition. *Energy Conversion and Management*, **2019**, 179, 286-303	10.6	123
33	Comprehensive overview of meta-heuristic algorithm applications on PV cell parameter identification. *Energy Conversion and Management*, **2020**, 208, 112595	10.6	107
32	Democratic joint operations algorithm for optimal power extraction of PMSG based wind energy conversion system. *Energy Conversion and Management*, **2018**, 159, 312-326	10.6	54
31	Adaptive fractional-order PID control of PMSG-based wind energy conversion system for MPPT using linear observers. *International Transactions on Electrical Energy Systems*, **2019**, 29, e2697	2.2	34
30	Fast atom search optimization based MPPT design of centralized thermoelectric generation system under heterogeneous temperature difference. *Journal of Cleaner Production*, **2020**, 248, 119301	10.3	29
29	Passivity-based linear feedback control of permanent magnetic synchronous generator-based wind energy conversion system: design and analysis. *IET Renewable Power Generation*, **2018**, 12, 981-991	2.9	24
28	Interactive teaching learning optimiser for parameter tuning of VSC-HVDC systems with offshore wind farm integration. *IET Generation, Transmission and Distribution*, **2018**, 12, 678-687	2.5	18
27	Optimal sizing and placement of energy storage system in power grids: A state-of-the-art one-stop handbook. *Journal of Energy Storage*, **2020**, 32, 101814	7.8	18
26	A New Topology of Modular Multilevel Converter With Voltage Self-Balancing Ability. *IEEE Access*, **2019**, 7, 184786-184796	3.5	15
25	PCSMC design of permanent magnetic synchronous generator for maximum power point tracking. *IET Generation, Transmission and Distribution*, **2019**, 13, 3115-3126	2.5	14
24	Speeded-up robust features based single-ended travelling wave fault location: a practical case study in Yunnan power grid of China. *IET Generation, Transmission and Distribution*, **2018**, 12, 886-894	2.5	13
23	Nonlinear Observer-Based Robust Passive Control of Doubly-Fed Induction Generators for Power System Stability Enhancement via Energy Reshaping. *Energies*, **2017**, 10, 1082	3.1	12
22	Passivity-based fractional-order sliding-mode control design and implementation of grid-connected photovoltaic systems. *Journal of Renewable and Sustainable Energy*, **2018**, 10, 043701	2.5	10

21	Asynchronous Fault Location Scheme Based on Voltage Distribution for Three-Terminal Transmission Lines. *IEEE Transactions on Power Delivery*, **2020**, 35, 2530-2540	4.3	8
20	Control of superconducting magnetic energy storage systems in grid-connected microgrids via memetic salp swarm algorithm: An optimal passive fractional-order PID approach. *IET Generation, Transmission and Distribution*, **2019**, 13, 5511-5522	2.5	8
19	Single Pole-to-Ground Fault Analysis of MMC-HVDC Transmission Lines Based on Capacitive Fuzzy Identification Algorithm. *Energies*, **2020**, 13, 319	3.1	7
18	Levenberg-Marquardt backpropagation algorithm for parameter identification of solid oxide fuel cells. *International Journal of Energy Research*, **2021**, 45, 17903-17923	4.5	5
17	Voltage DistributionBased Fault Location for Half-Wavelength Transmission Line with Large-Scale Wind Power Integration in China. *Energies*, **2018**, 11, 593	3.1	3
16	Grey Wolf Optimizer based MPPT Control of Centralized Thermoelectric Generator Applied in Thermal Power Stations **2020**,		3
15	Fault Model and Travelling Wave Matching Based Single Terminal Fault Location Algorithm for T-Connection Transmission Line: A Yunnan Power Grid Study. *Energies*, **2020**, 13, 1506	3.1	2
14	Fault Ride-Through Capability Enhancement of Type-4 WECS in Offshore Wind Farm via Nonlinear Adaptive Control of VSC-HVDC. *Processes*, **2019**, 7, 540	2.9	2
13	Identification between internal and external faults of UHVDC transmission lines based on sequential overlapping derivative transform of voltage transient. *IET Generation, Transmission and Distribution*, **2020**, 14, 4643-4653	2.5	2
12	Overall Adaptive Controller Design of PMSG Under Whole Wind Speed Range: A Perturbation Compensation Based Approach. *Processes*, **2019**, 7, 732	2.9	2
11	Passive Current Control Design for MMC in HVDC Systems through Energy Reshaping. *Electronics (Switzerland)*, **2019**, 8, 967	2.6	1
10	Memetic Salp Swarm Algorithm-Based Frequency Regulation for Power System with Renewable Energy Integration. *Mathematical Problems in Engineering*, **2020**, 2020, 1-11	1.1	1
9	Study on Traveling Wave Propagation Characteristics of ⊞800 UHVDC Transmission Lines **2010**,		1
8	Integrated Control Strategy for Electrolytic Aluminum Load Participation in Frequency Modulation. *IEEE Access*, **2021**, 9, 56955-56964	3.5	1
7	Adaptive Pitch Control of Variable-Pitch PMSG Based Wind Turbine. *Applied Sciences (Switzerland)*, **2019**, 9, 4109	2.6	0
6	Fast Atom Search Algorithm for Reactive Power Optimization of Power Grid with High-Penetration Wind and Solar Energies. *Mathematical Problems in Engineering*, **2020**, 2020, 1-15	1.1	0
5	Influence of distributed power supply in distributed power distribution network. *Journal of Intelligent and Fuzzy Systems*, **2021**, 40, 7803-7810	1.6	0
4	A detection method of high impedance arcing fault for distribution network with distributed generation based on CEEMDAN and TEO algorithm. *International Transactions on Electrical Energy Systems*, **2021**, 31, e12926	2.2	0

3   Detection algorithm of ultra-high harmonics in distribution networks. *Journal of Intelligent and Fuzzy Systems*, **2021**, 40, 7795-7802   1.6

2   A grid-generator-electrolytic aluminum multi-agent cooperative game model based on Nash negotiation theory. *IEEE Access*, **2021**, 1-1   3.5

1   Research and Application of Power Grid Maintenance Scheduling Strategy under the Interactive Mode of New Energy and Electrolytic Aluminum Load. *Processes*, **2022**, 10, 606   2.9