

H B Gooi

List of Publications by Year in descending order

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52
papers

2,153
citations

686830

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times ranked

2340
citing authors

#	ARTICLE	IF	CITATIONS
1	Implementation of Frequency Adaptive Damped SOGI Based Control for Power Quality Improvement in Wind-Solar-BES Based AC Microgrids. , 2021, , .		1
2	Peer-to-Peer Power Trading with Voltage and Congestion Management for Distribution Grids. , 2021, , .		0
3	A Mining-Rewarding Mechanism for Peer-to-Peer Energy Trading Blockchain. , 2021, , .		2
4	A Piecewise-Affine Decision Rule based Stochastic AC Optimal Power Flow Approach. , 2020, , .		1
5	Framework for Network-Constrained Cooperative Trading of Multi-Microgrid Systems. , 2020, , .		2
6	Pricing Mechanism for Flexible Loads Using Distribution Grid Hedging Rights. IEEE Transactions on Power Systems, 2019, 34, 4048-4059.	4.6	17
7	Blockchain Framework for Peer-to-Peer Energy Trading with Credit Rating. , 2019, , .		9
8	Experiments with hybrid Bernstein global optimization algorithm for the OPF problem in power systems. Engineering Optimization, 2019, 51, 1446-1461.	1.5	3
9	Stabilizing Droop Variation of Converter-Connected Generation in Autonomous Microgrids with Virtual Inertia Control. , 2018, , .		3
10	Stochastic Backward/Forward Sweep Power Flow Analysis for Islanded Microgrids. , 2018, , .		6
11	Dual Tree Complex Wavelet Transform based Detection of Power Quality Disturbances. , 2018, , .		4
12	Wavelet Transform-Spectral Kurtosis Based Hybrid Technique for Disturbance Detection in a Microgrid. , 2018, , .		1
13	Unit Commitment with AC Power Flow Constraints for a Hybrid Transmission Grid. , 2018, , .		1
14	Firefly algorithm scaled fractional order fuzzy PID based PSS for transient stability improvement. , 2018, , .		12
15	Improvement in power quality using hybrid power filters based on robust extended Kalman filter. , 2018, , .		3
16	Optimal Scheduling of a Microgrid Including Pump Scheduling and Network Constraints. Complexity, 2018, 2018, 1-20.	0.9	3
17	Distributed Congestion Management of Distribution Grids Under Robust Flexible Buildings Operations. IEEE Transactions on Power Systems, 2017, 32, 4600-4613.	4.6	57
18	DC Grid Voltage Regulation Using New HESS Control Strategy. IEEE Transactions on Sustainable Energy, 2017, 8, 772-781.	5.9	144

#	ARTICLE	IF	CITATIONS
19	Optimization of Charge/Discharge Rates of a Battery Using a Two-Stage Rate-Limit Control. IEEE Transactions on Sustainable Energy, 2017, 8, 516-529.	5.9	51
20	A control architecture for optimal power sharing among interconnected microgrids. , 2017, , .		2
21	Charge equalization for series-connected battery cells using SIMO DC-DC converter. , 2017, , .		2
22	The very fast method for contracted capacity optimization problem in Singapore. , 2016, , .		4
23	Examining the Bernstein global optimization approach to optimal power flow problem. AIP Conference Proceedings, 2016, , .	0.3	2
24	Penetration Rate and Effectiveness Studies of Aggregated BESS for Frequency Regulation. IEEE Transactions on Smart Grid, 2016, 7, 167-177.	6.2	138
25	Application of HESS for PV system with modified control strategy. , 2015, , .		6
26	Multi-Agent System for Distributed Management of Microgrids. IEEE Transactions on Power Systems, 2015, 30, 24-34.	4.6	177
27	A Centralized Reactive Power Compensation System for LV Distribution Networks. IEEE Transactions on Power Systems, 2015, 30, 274-284.	4.6	58
28	Hierarchical MPC-based energy management and frequency regulation participation of a virtual power plant. , 2014, , .		5
29	Hybrid Energy Storage With Multimode Fuzzy Power Allocator for PV Systems. IEEE Transactions on Sustainable Energy, 2014, 5, 389-397.	5.9	84
30	A Mixed Integer Quadratic Programming for Dynamic Economic Dispatch With Valve Point Effect. IEEE Transactions on Power Systems, 2014, 29, 2097-2106.	4.6	95
31	Performance Measurement and Analysis of WiMAX-LAN Communication Operating at 5.8 GHz. IEEE Transactions on Industrial Informatics, 2013, 9, 1497-1506.	7.2	12
32	An improved lithium-ion battery model with temperature prediction considering entropy. , 2012, , .		10
33	Consumer energy portal and home energy management system for smart grid applications. , 2012, , .		22
34	Investigation on solar PV and battery system penetration in Singapore distribution power networks. , 2012, , .		2
35	Sizing of Energy Storage for Microgrids. IEEE Transactions on Smart Grid, 2012, 3, 142-151.	6.2	755
36	Multi-agent system for optimization of microgrids. , 2011, , .		31

#	ARTICLE	IF	CITATIONS
37	Spinning Reserve Estimation in Microgrids. IEEE Transactions on Power Systems, 2011, 26, 1164-1174.	4.6	185
38	Jump and Shift Method for Multi-Objective Optimization. IEEE Transactions on Industrial Electronics, 2011, 58, 4538-4548.	5.2	48
39	Using quadratic programming for power flow calculations. , 2010, , .		1
40	Sizing of energy storage system for microgrids. , 2010, , .		15
41	Thermal unit systems with wind energy penetration. , 2009, , .		0
42	Capacitor planning of power systems with wind generators and PV arrays. , 2009, , .		6
43	Operating reserve of thermal unit systems with interruptible loads. , 2009, , .		1
44	Spinning reserve estimation in microgrids. , 2009, , .		3
45	Wi-Fi based server in microgrid energy management system. , 2009, , .		33
46	Cost/benefit and reliability studies on rapid-start units for energy/reserve contributions. , 2009, , .		7
47	Scheduling of energy storage in a grid-connected PV/battery system via SIMPLORER. , 2009, , .		21
48	Simple modulation and control method for new extended boost quasi Z-source. , 2009, , .		16
49	Optimizing probabilistic reserve in large power systems. , 2009, , .		0
50	Fuzzy MILP Unit Commitment Incorporating Wind Generators. IEEE Transactions on Power Systems, 2008, 23, 1738-1746.	4.6	82
51	Effects of DSB on market clearing price. European Transactions on Electrical Power, 2006, 16, 161-173.	1.0	3
52	Dispatch Problems Due to Ramp Rate Constraints: Bottleneck Analysis and Solutions. Electric Power Components and Systems, 2003, 31, 995-1006.	1.0	7