

Shanti Swarup

List of Publications by Citations

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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.

67
papers

601
citations

13
h-index

21
g-index

90
ext. papers

793
ext. citations

3.8
avg, IF

4.71
L-index

#	Paper	IF	Citations
67	A Hybrid Interior Point Assisted Differential Evolution Algorithm for Economic Dispatch. <i>IEEE Transactions on Power Systems</i> , 2011 , 26, 541-549	7	63
66	Classification and Assessment of Power System Security Using Multiclass SVM. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2011 , 41, 753-758		48
65	Mathematical morphology-based islanding detection for distributed generation. <i>IET Generation, Transmission and Distribution</i> , 2016 , 10, 518-525	2.5	38
64	High-Speed Fault Classification in Power Lines: Theory and FPGA-Based Implementation. <i>IEEE Transactions on Industrial Electronics</i> , 2009 , 56, 1793-1800	8.9	36
63	Evolutionary Tristate PSO for Strategic Bidding of Pumped-Storage Hydroelectric Plant. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2010 , 40, 460-471		30
62	Computationally Efficient Wavelet-Transform-Based Digital Directional Protection for Busbars. <i>IEEE Transactions on Power Delivery</i> , 2007 , 22, 1342-1350	4.3	28
61	Application of improved invasive weed optimization technique for optimally setting directional overcurrent relays in power systems. <i>Applied Soft Computing Journal</i> , 2019 , 79, 1-13	7.5	26
60	Coordinated preventive maintenance scheduling of GENCO and TRANSCO in restructured power systems. <i>International Journal of Electrical Power and Energy Systems</i> , 2009 , 31, 626-638	5.1	24
59	Artificial neural network using pattern recognition for security assessment and analysis. <i>Neurocomputing</i> , 2008 , 71, 983-998	5.4	24
58	Fault Detection and Classification Logic for Transmission Lines Using Multi-resolution Wavelet Analysis. <i>Electric Power Components and Systems</i> , 2008 , 36, 321-344	1	15
57	A New Mixed Integer Linear Programming Formulation for Protection Relay Coordination Using Disjunctive Inequalities. <i>IEEE Power and Energy Technology Systems Journal</i> , 2019 , 6, 104-112	4.3	14
56	High Precision Frequency Estimation Using Internet-Based Phasor Measurement Unit. <i>IEEE Transactions on Power Systems</i> , 2010 , 25, 607-614	7	14
55	Wide area oscillation damping controller for DFIG using WAMS with delay compensation. <i>IET Renewable Power Generation</i> , 2019 , 13, 128-137	2.9	14
54	Design of pattern recognition system for static security assessment and classification. <i>Pattern Analysis and Applications</i> , 2012 , 15, 299-311	2.3	12
53	Parallel contingency analysis in a high performance computing environment 2009 ,		10
52	A Novel Convexified Linear Program for Coordination of Directional Overcurrent Relays. <i>IEEE Transactions on Power Delivery</i> , 2019 , 34, 769-772	4.3	10
51	Modelling and Simulation of Digital Substation Automation for Inter-Substation Line Protection 2018 ,		10

50	Steady-state error estimation in distance relay for single phase to ground fault in series-compensated parallel transmission lines. <i>IET Generation, Transmission and Distribution</i> , 2014 , 8, 1318-1337	2.5	9
49	Mathematical morphology-based islanding detection for distributed generation. <i>IET Generation, Transmission and Distribution</i> , 2017 , 11, 3449-3457	2.5	9
48	Frequency restoration using Dynamic Demand Control under Smart Grid Environment 2011 ,		9
47	Adaptive Weight-Based Self Reconfiguration of Smart Distribution Network With Intelligent Agents. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2018 , 2, 464-472	4.1	8
46	Game Theoretical Approach to Novel Reactive Power Ancillary Service Market Mechanism. <i>IEEE Transactions on Power Systems</i> , 2021 , 36, 1298-1308	7	8
45	A Review of Uncertainty Handling Techniques in Smart Grid. <i>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</i> , 2018 , 26, 345-378	0.8	7
44	Volt-Var Optimization Using Differential Evolution. <i>Electric Power Components and Systems</i> , 2008 , 36, 387-408	1	7
43	Optimal bidding strategy for multi-unit pumped storage plant in pool-based electricity market using evolutionary tristate PSO 2008 ,		7
42	Modeling and simulation of virtual power plant in energy management system applications 2017 ,		6
41	Distributed Fast Decoupled Load Flow Analysis 2008 ,		6
40	Coordinated maintenance scheduling of Gencos and Transcos in restructured power systems 2006 ,		6
39	Investigation of an optimized energy resource allocation algorithm for a community based virtual power plant 2016 ,		5
38	Dynamic Demand Response and control in Smart Grid Environment 2011 ,		5
37	Binary SVM Approach for Security Assessment and Classification in Power Systems 2009 ,		5
36	Market operations in future Indian restructured power system scenario. <i>International Journal of Energy Technology and Policy</i> , 2009 , 7, 78	1	5
35	Price based Demand Response strategy considering load priorities 2016 ,		5
34	Limitations of Angle-Based Faulty Line Identification Logic in Series-Compensated Parallel Transmission Lines. <i>IEEE Transactions on Power Delivery</i> , 2016 , 31, 1552-1561	4.3	4
33	Evaluation of community virtual power plant under various pricing schemes 2016 ,		4

32	AMI/GIS based distribution system load flow for extended situational awareness 2014,		4
31	Estimation and elimination of DC component in digital relaying 2012,		4
30	Unit commitment using dynamic programming-an exhaustive working of both classical and stochastic approach. <i>Frontiers in Energy, 2013, 7, 333-341</i>	2.6	4
29	Object Modeling of Balanced and Unbalanced Distribution Systems for Power Flow Analysis. <i>Electric Power Components and Systems, 2006, 34, 191-215</i>	1	4
28	Demand Response based Automatic Generation Control in smart-grid deregulated market 2016,		4
27	Coordinated reactive power and crow bar control for DFIG-based wind turbines for power oscillation damping. <i>Wind Engineering, 2019, 43, 95-113</i>	1.2	3
26	Multiagent based particle swarm optimization approach to economic dispatch with security constraints 2009,		3
25	High Impedance Fault detection using DWT for transmission and distribution networks 2016,		3
24	Optimal generation and reactive power scheduling of plug-in electric vehicles in V2G environment 2016,		2
23	Optimal relay coordination for microgrids using hybrid modified particle swarm optimization □ Interval linear programming approach 2017,		2
22	Faulty line identification by distance relay in series-compensated parallel transmission lines 2014,		2
21	Pumped storage bidding and its impacts in combined pool-bilateral market 2009,		2
20	Optimal Protection Coordination of Nonstandard Overcurrent Relays Using Hybrid QCQP Method. <i>Electric Power Components and Systems, 2020, 48, 1327-1338</i>	1	2
19	A multiobjective approach for optimal allocation of charging station to electric vehicles 2016,		2
18	Stochastic Optimal Bidding Strategy for Energy and Ancillary Services In Microgrid. <i>IEEE Transactions on Industry Applications, 2021, 1-1</i>	4-3	2
17	A New Choice Based Home Energy Management System Using Electric Springs 2018,		2
16	Analysis of Active and Transactive Demand Response Strategies for Smart Residential Buildings 2018,		2
15	Estimation of Electronic Suppression Circuit Resistance for Protective Relaying Applications. <i>Electric Power Components and Systems, 2015, 43, 282-297</i>	1	1

14	A New Demand Side Management Scheme for Residential Consumers using Electric Springs 2017 ,	1
13	Transient modeling and control of DFIG for grid power leveling during variable wind speed 2015 ,	1
12	Islanding detection scheme based on morphological wavelets 2017 ,	1
11	Optimal tie line placement of distribution system incorporating performance based rates 2017 ,	1
10	Analysis of network topology processor algorithms in substation level networks 2017 ,	1
9	Analysis on AMI system requirements for effective convergence of distribution automation and AMI systems 2014 ,	1
8	Investigating performance of numerical distance relay with higher sampling rate 2012 ,	1
7	Graph theory based corrective control strategy during single line contingency 2009 ,	1
6	Unbalanced distribution system short circuit analysis In Object-Oriented Approach 2008 ,	1
5	A survey on applications of Alternating Direction Method of Multipliers in smart power grids. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 152, 111687	16.2 1
4	Optimal Bidding Strategy with Ancillary Services in Hybrid Competitive Markets 2020 ,	1
3	Impact of DFIG based wind energy conversion system on fault studies and power swings 2016 ,	1
2	Reliability improvement considering reactive power aspects in a smart grid with Demand Side Management 2016 ,	1
1	Optimization based graph theoretic approach for corrective control strategies to mitigate overloads. <i>European Transactions on Electrical Power</i> , 2010 , 20, 1009-1024	