Sanjib Ganguly

List of Publications by Year
in descending order

67	1,169	516215 16	433756 31
papers	citations	h-index	g-index

67	67	67	886
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Distributed Generation Allocation on Radial Distribution Networks Under Uncertainties of Load and Generation Using Genetic Algorithm. IEEE Transactions on Sustainable Energy, 2015, 6, 688-697.	5.9	192
2	Multi-Objective Planning for Reactive Power Compensation of Radial Distribution Networks With Unified Power Quality Conditioner Allocation Using Particle Swarm Optimization. IEEE Transactions on Power Systems, 2014, 29, 1801-1810.	4.6	107
3	Impact of Unified Power-Quality Conditioner Allocation on Line Loading, Losses, and Voltage Stability of Radial Distribution Systems. IEEE Transactions on Power Delivery, 2014, 29, 1859-1867.	2.9	62
4	Determination of the component sizing for the PEM fuel cell-battery hybrid energy system for locomotive application using particle swarm optimization. Journal of Energy Storage, 2018, 19, 247-259.	3.9	53
5	Multi-objective planning for the allocation of PV-BESS integrated open UPQC for peak load shaving of radial distribution networks. Journal of Energy Storage, 2019, 22, 208-218.	3.9	45
6	Modelling and allocation of openâ€UPQCâ€integrated PV generation system to improve the energy efficiency and power quality of radial distribution networks. IET Renewable Power Generation, 2018, 12, 605-613.	1.7	43
7	Distributed generation allocation with on-load tap changer on radial distribution networks using adaptive genetic algorithm. Applied Soft Computing Journal, 2017, 59, 45-67.	4.1	41
8	An On-Line Operational Optimization Approach for Open Unified Power Quality Conditioner for Energy Loss Minimization of Distribution Networks. IEEE Transactions on Power Systems, 2019, 34, 4784-4795.	4.6	39
9	Simultaneous optimisation of photovoltaic hosting capacity and energy loss of radial distribution networks with open unified power quality conditioner allocation. IET Renewable Power Generation, 2018, 12, 1382-1389.	1.7	36
10	Unified power quality conditioner allocation for reactive power compensation of radial distribution networks. IET Generation, Transmission and Distribution, 2014, 8, 1418-1429.	1.4	33
11	Optimization of Energy Loss Cost of Distribution Networks with the Optimal Placement and Sizing of DSTATCOM Using Differential Evolution Algorithm. Arabian Journal for Science and Engineering, 2017, 42, 2851-2865.	1.7	30
12	Regiospecific Oximato Coordination at the Oxygen Site:Â Ligand Design and Low-Spin MnIIand FeII/IIISpecies. Inorganic Chemistry, 1999, 38, 5984-5987.	1.9	28
13	Optimal Peak Shaving Control Using Dynamic Demand and Feed-In Limits for Grid-Connected PV Sources With Batteries. IEEE Systems Journal, 2021, 15, 5560-5570.	2.9	27
14	A modified forward backward sweep load flow algorithm for unbalanced radial distribution systems. , 2015, , .		21
15	Molecular and electronic structure of nonradical homoleptic pyridyl-azo-oxime complexes of cobalt(<scp>iii</scp>) and the azo-oxime anion radical congener: an experimental and theoretical investigation. Dalton Transactions, 2014, 43, 5317-5334.	1.6	20
16	Allocation of DSTATCOM and DG in distribution systems to reduce power loss using ESM algorithm. , 2016, , .		20
17	Optimal Phase Angle Injection for Reactive Power Compensation of Distribution Systems with the Allocation of Multiple Distribution STATCOM. Arabian Journal for Science and Engineering, 2017, 42, 2663-2671.	1.7	19
18	Iridium(III) Mediated Reductive Transformation of Closed-Shell Azo-Oxime to Open-Shell Azo-Imine Radical Anion: Molecular and Electronic Structure, Electron Transfer, and Optoelectronic Properties. Inorganic Chemistry, 2016, 55, 1461-1468.	1.9	16

#	Article	IF	Citations
19	Distribution <scp>STATCOM</scp> with optimal phase angle injection model for reactive power compensation of radial distribution networks. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2017, 30, e2240.	1.2	16
20	Design optimisation for component sizing using multiâ€objective particle swarm optimisation and control of PEM fuel cellâ€battery hybrid energy system for locomotive application. IET Electrical Systems in Transportation, 2020, 10, 52-61.	1.5	16
21	Synthesis and structure of bis(azooximates) of dichlororhodium(III): the oximeâ€“oximate Oâ€“Hâ€Šâ€ŠÂ·â€…Â·â€…Â·â€ŠâŠ bridge and the effect of its deprotonation. Journal of the Chemical Society Dalton Transactions, 1998, , 461.	1.1	15
22	Model predictive controlâ€based optimal voltage regulation of active distribution networks with OLTC and reactive power capability of PV inverters. IET Generation, Transmission and Distribution, 2020, 14, 5183-5192.	1.4	15
23	Voltage control using smart transformer via dynamic optimal setpoints and limit tolerance in a residential distribution network with PV sources. IET Generation, Transmission and Distribution, 2020, 14, 5143-5151.	1.4	15
24	MPC-Based Coordinated Voltage Control in Active Distribution Networks Incorporating CVR and DR. IEEE Transactions on Industry Applications, 2022, 58, 4309-4318.	3.3	15
25	Planning of unbalanced radial distribution systems using differential evolution algorithm. Energy Systems, 2017, 8, 389-410.	1.8	14
26	Azooximates of bi- and tri-valent nickel. Journal of the Chemical Society Dalton Transactions, 1997, , 585-590.	1.1	13
27	Modeling, optimal sizing, and allocation of DSTATCOM in unbalanced radial distribution systems using differential evolution algorithm. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2018, 31, e2351.	1.2	12
28	Coordinated Volt/Var Control of PV and EV Interfaced Active Distribution Networks Based on Dual-Stage Model Predictive Control. IEEE Systems Journal, 2022, 16, 4291-4300.	2.9	12
29	Simultaneous capacitor allocation and conductor sizing in unbalanced radial distribution systems using differential evolution algorithm. , 2016, , .		11
30	Modelling and allocation planning of voltageâ€sourced converters to improve the rooftop PV hosting capacity and energy efficiency of distribution networks. IET Generation, Transmission and Distribution, 2018, 12, 4462-4471.	1.4	11
31	Rule-Based Peak Shaving Using Master-Slave Level Optimization in a Diesel Generator Supplied Microgrid. IEEE Transactions on Power Systems, 2023, 38, 2177-2188.	4.6	11
32	Impact of distribution STATCOM allocation on radial distribution networks. , 2015, , .		10
33	Placement of DSTATCOM in radial distribution systems for the compensation of reactive power. , 2015, , .		10
34	Effect of DSTATCOM allocation on the performance of an unbalanced radial distribution systems. , 2016, , .		9
35	Coordinated control scheme for EV charging and volt/var devices scheduling to regulate voltages of active distribution networks. Sustainable Energy, Grids and Networks, 2022, 31, 100761.	2.3	9
36	Forecasting of AELC and TESC of distribution systems with the optimal allocation of DSTATCOM. , 2016, , .		8

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37	Luminescent closed shell nickel(<scp>ii</scp>) pyridyl-azo-oximates and the open shell anion radical congener: molecular and electronic structure, ligand redox behaviour and biological activity. New Journal of Chemistry, 2017, 41, 4157-4164.	1.4	8
38	Detection and localization of faults in smart hybrid distributed generation systems: A Stockwell transform and artificial neural network-based approach. International Transactions on Electrical Energy Systems, 2019, 29, e2725.	1.2	8
39	A comparative study among UPQC models with and without real power injection to improve energy efficiency of radial distribution networks. Energy Systems, 2020, 11, 113-138.	1.8	8
40	Impact of Optimal Control of Distributed Generation Converters in Smart Transformer Based Meshed Hybrid Distribution Network. IEEE Access, 2021, 9, 140268-140280.	2.6	8
41	A fuzzy pragmatic DEâ€“CSA hybrid approach for unbalanced radial distribution system planning with distributed generation. Soft Computing, 2019, 23, 12317-12330.	2.1	7
42	Polyaromatic hydrocarbon derivatized azo-oximes of cobalt(<scp>iii</scp>) for the ligand-redox controlled electrocatalytic oxygen reduction reaction. New Journal of Chemistry, 2020, 44, 3737-3747.	1.4	7
43	Power Loss Minimization in Smart Transformer Based Meshed Hybrid Distribution Network. , 2020, , .		7
44	Oximato bridged RhIII 2MII and RhIIIMI species (MII = Mn, Co, Ni; MI = Cu, Ag). Journal of Chemical Sciences, 2008, 120, 87-93.	0.7	6
45	Transition of Power Distribution System Planning from Passive to Active Networks: A State-of-the-Art Review and a New Proposal. Green Energy and Technology, 2018, , 87-117.	0.4	6
46	Model Predictive Control based Coordinated Voltage Control in Active Distribution Networks utilizing OLTC and DSTATCOM. , 2020, , .		6
47	Energy loss minimization with open unified power quality conditioner placement in radial distribution networks using particle swarm optimization. , 2017, , .		5
48	Modelling and cost-benefit analysis of PEM fuel-cell-battery hybrid energy system for locomotive application. , 2018, , .		5
49	Centralized and Distributed Battery Energy Storage System for Peak Load Demand Support of Radial Distribution Networks. , 2019, , .		5
50	Fault diagnosis in distribution power systems using stationary wavelet transform and artificial neural network. , 2017, , .		3
51	Steady-State Model for Open Unified Power Quality Conditioner for Power Quality and Energy Efficiency Improvement of Radial Distribution Networks. , 2018, , .		3
52	Coordinated Voltage Control of Active Distribution Networks in presence of PV and Energy Storage System. , 2021, , .		3
53	Optimal Placement of Smart Transformer Low Voltage Converter in Meshed Hybrid Distribution Network. , 2021, , .		3
54	Azo-oximate metal-carbonyl to metallocarboxylic acid via the intermediate Ir(<scp>iii</scp>) radical congener: quest for co-ligand driven stability of open- and closed-shell complexes. Dalton Transactions, 2022, 51, 10121-10135.	1.6	3

#	Article	IF	Citations
55	Energy management at municipal parking deck for charging of Plug-in hybrid electric vehicles. , 2014, , .		2
56	Determination of Rating Requirement for Fuel-Cell-Battery Hybrid Energy System to Substitute the Diesel Locomotives of Indian Railway. , 2017, , .		2
57	Voltage Control Using Smart Transformer for Increasing Photovoltaic Penetration in a Distribution Grid. , 2019, , .		2
58	Coordinated Operational Optimization Approach for PV Inverters and BESSs to Minimize the Energy Loss of Distribution Networks. IEEE Systems Journal, 2022, 16, 1228-1238.	2.9	2
59	Diarylazooxime complex of cobalt(III): synthesis, structure, ligand redox, DFT calculations and spectral characteristics. Transition Metal Chemistry, 2022, 47, 31-38.	0.7	2
60	OPEN Unified Power Quality Conditioner Model With and Without Storage Units to Improve Power Quality and Losses of Radial Distribution Networks. , 2017, , .		1
61	Modelling of the PEM Fuel Cell and Design of a Closed Loop Control Based DC-DC Boost Converter For Locomotive Application. , 2019, , .		1
62	Optimal Demand Response Using Dynamic Electricity Price Limit in a Hybrid AC/DC System. , 2020, , .		1
63	An Optimization-Based Energy Management Strategy for PEM Fuel Cell-Battery Hybrid Energy System for Locomotive Applications. , 2022, 7, 311-323.		1
64	Determination of the component sizes and analysis of the operational cost of PEM Fuel Cell-Battery Hybrid Energy System to Retrofit the Diesel Locomotives of Indian Railway. , 2019, , .		0
65	Modelling of the PEM fuel cell and design of a peak current control based DC-DC boost converter for locomotive application. , 2019, , .		0
66	Allocation Planning of the Hydrogen Refueling Stations for the Deployment of Hydrogen-Powered Locomotives in Indian North East Frontier Railway. , 0, , 1.		0
67	Model Predictive based Coordinated Voltage Control of Active Distribution Networks with Distributed Generation and Electric Vehicles. , 2022, , .		0