Sanjib Ganguly

List of Publications by Year in descending order

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| 51 | 1,031 | 15 | 30 |
|----------|----------------|--------------|--------------------|
| papers | citations | h-index | g-index |
| 51 | 51 | 51 | 836 citing authors |
| all docs | docs citations | times ranked | |

| # | 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 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | Synthesis and Structure of Dimeric Silver Azooximates. Hydrogen Bonding and Nonbonded Ag···Ag Interaction. Inorganic Chemistry, 2000, 39, 2954-2956. | 1.9 | 29 |
| 11 | Regiospecific Oximato Coordination at the Oxygen Site:Â Ligand Design and Low-Spin Mnlland Fell/IIISpecies. Inorganic Chemistry, 1999, 38, 5984-5987. | 1.9 | 28 |
| 12 | A modified forward backward sweep load flow algorithm for unbalanced radial distribution systems. , $2015, , .$ | | 21 |
| 13 | 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 |
| 14 | Allocation of DSTATCOM and DG in distribution systems to reduce power loss using ESM algorithm. , 2016, , . | | 20 |
| 15 | First Examples of Carboxyl-Bonded Low-Spin Manganese(III) Complexes. Inorganic Chemistry, 1997, 36, 116-118. | 1.9 | 19 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

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|----|---|------------|-----------|
| 19 | 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 |
| 20 | Synthesis and structure of bis(azooximates) of dichlororhodium(III): the oxime–oximate O–H  ·â€Â·bridge and the effect of its deprotonation. Journal of the Chemical Society Dalton Transactions, 1998, , 461. | • • 1.1 | O 15 |
| 21 | 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 |
| 22 | 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 |
| 23 | Planning of unbalanced radial distribution systems using differential evolution algorithm. Energy Systems, 2017, 8, 389-410. | 1.8 | 14 |
| 24 | 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 |
| 25 | 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 |
| 26 | Simultaneous capacitor allocation and conductor sizing in unbalanced radial distribution systems using differential evolution algorithm. , 2016, , . | | 11 |
| 27 | Ambient-Stable Bis-Azoaromatic-Centered Diradical [(L [•])M(L [•])] Complexes of Rh(III): Synthesis, Structure, Redox, and Spin–Spin Interaction. Inorganic Chemistry, 2017, 56, 12764-12774. | 1.9 | 11 |
| 28 | 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 |
| 29 | Impact of distribution STATCOM allocation on radial distribution networks. , 2015, , . | | 10 |
| 30 | Placement of DSTATCOM in radial distribution systems for the compensation of reactive power. , 2015, , $$ | | 10 |
| 31 | Effect of DSTATCOM allocation on the performance of an unbalanced radial distribution systems. , 2016, , . | | 9 |
| 32 | Rhodium(III) complex with pyrene-pyridyl-hydrazone: synthesis, structure, ligand redox, spectral characterization and DFT calculation. Journal of Chemical Sciences, 2019, 131, 1. | 0.7 | 9 |
| 33 | 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 |
| 34 | Forecasting of AELC and TESC of distribution systems with the optimal allocation of DSTATCOM. , 2016, , . | | 8 |
| 35 | 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 |
| 36 | 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 |

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|----|---|-----|-----------|
| 37 | 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 |
| 38 | 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 |
| 39 | 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 |
| 40 | 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 |
| 41 | Ruthenocycles of benzothiazolyl and pyridyl hydrazones with ancillary PAHs: synthesis, structure, electrochemistry and antimicrobial activity. New Journal of Chemistry, 2020, 44, 11022-11034. | 1.4 | 6 |
| 42 | Synthesis, X-ray crystal structure, DFT calculations, spectroscopic characterization and redox behaviour of a rhodium(III) complex of an anthracene–pyridylhydrazone ligand. Transition Metal Chemistry, 2019, 44, 341-347. | 0.7 | 4 |
| 43 | Azo-oximate metal-carbonyl to metallocarboxylic acid <i>via</i> 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 |
| 44 | Energy management at municipal parking deck for charging of Plug-in hybrid electric vehicles. , 2014, , . | | 2 |
| 45 | Coligand driven diverse organometallation in benzothiazolyl-hydrazone derivatized pyrene: ortho vs. peri C–H activation. New Journal of Chemistry, 2020, 44, 1407-1417. | 1.4 | 2 |
| 46 | Rhodium assisted peri-C–H activation in benzothiazolyl-hydrazone derivatized pyrene. Polyhedron, 2020, 179, 114352. | 1.0 | 2 |
| 47 | An insight into the coordination specificity of polyaromatic hydrocarbons (PAHs) grafted hydrazones towards rhodium(III). Polyhedron, 2021, 205, 115318. | 1.0 | 2 |
| 48 | 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 |
| 49 | Diarylazooxime complex of cobalt(III): synthesis, structure, ligand redox, DFT calculations and spectral characteristics. Transition Metal Chemistry, 2022, 47, 31-38. | 0.7 | 2 |
| 50 | An Optimization-Based Energy Management Strategy for PEM Fuel Cell-Battery Hybrid Energy System for Locomotive Applications., 2022, 7, 311-323. | | 1 |
| 51 | Allocation Planning of the Hydrogen Refueling Stations for the Deployment of Hydrogen-Powered Locomotives in Indian North East Frontier Railway. , 0, , 1 . | | O |