

Sanjib Ganguly

List of Publications by Year in descending order

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docs citations

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times ranked

836
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Diarylazooxime complex of cobalt(III): synthesis, structure, ligand redox, DFT calculations and spectral characteristics. Transition Metal Chemistry, 2022, 47, 31-38.	0.7	2
4	An Optimization-Based Energy Management Strategy for PEM Fuel Cell-Battery Hybrid Energy System for Locomotive Applications. , 2022, 7, 311-323.		1
5	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
6	Azo-oximate metal-carbonyl to metallocarboxylic acid <i>via</i> the intermediate Ir(^{III}) radical congener: quest for co-ligand driven stability of open- and closed-shell complexes. Dalton Transactions, 2022, 51, 10121-10135.	1.6	3
7	An insight into the coordination specificity of polyaromatic hydrocarbons (PAHs) grafted hydrazones towards rhodium(III). Polyhedron, 2021, 205, 115318.	1.0	2
8	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
9	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
10	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
11	Rhodium assisted peri-C-H activation in benzothiazolyl-hydrazone derivatized pyrene. Polyhedron, 2020, 179, 114352.	1.0	2
12	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
13	Design optimisation for component sizing using multi-objective particle swarm optimisation and control of PEM fuel cell-battery hybrid energy system for locomotive application. IET Electrical Systems in Transportation, 2020, 10, 52-61.	1.5	16
14	Polyaromatic hydrocarbon derivatized azo-oximes of cobalt(^{III}) for the ligand-redox controlled electrocatalytic oxygen reduction reaction. New Journal of Chemistry, 2020, 44, 3737-3747.	1.4	7
15	Model predictive control-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
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Multi-objective planning for the allocation of PV-BESS integrated open UPQC for peak load shaving of radial distribution networks. <i>Journal of Energy Storage</i> , 2019, 22, 208-218.	3.9	45
20	Detection and localization of faults in smart hybrid distributed generation systems: A Stockwell transform and artificial neural network-based approach. <i>International Transactions on Electrical Energy Systems</i> , 2019, 29, e2725.	1.2	8
21	Synthesis, X-ray crystal structure, DFT calculations, spectroscopic characterization and redox behaviour of a rhodium(III) complex of an anthracene- <i>π</i> -pyridylhydrazone ligand. <i>Transition Metal Chemistry</i> , 2019, 44, 341-347.	0.7	4
22	Modelling and allocation planning of voltage-sourced converters to improve the rooftop PV hosting capacity and energy efficiency of distribution networks. <i>IET Generation, Transmission and Distribution</i> , 2018, 12, 4462-4471.	1.4	11
23	Simultaneous optimisation of photovoltaic hosting capacity and energy loss of radial distribution networks with open unified power quality conditioner allocation. <i>IET Renewable Power Generation</i> , 2018, 12, 1382-1389.	1.7	36
24	Modeling, optimal sizing, and allocation of DSTATCOM in unbalanced radial distribution systems using differential evolution algorithm. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2018, 31, e2351.	1.2	12
25	Planning of unbalanced radial distribution systems using differential evolution algorithm. <i>Energy Systems</i> , 2017, 8, 389-410.	1.8	14
26	Luminescent closed shell nickel(II) pyridyl-azo-oximates and the open shell anion radical congener: molecular and electronic structure, ligand redox behaviour and biological activity. <i>New Journal of Chemistry</i> , 2017, 41, 4157-4164.	1.4	8
27	Distribution STATCOM with optimal phase angle injection model for reactive power compensation of radial distribution networks. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2017, 30, e2240.	1.2	16
28	Distributed generation allocation with on-load tap changer on radial distribution networks using adaptive genetic algorithm. <i>Applied Soft Computing Journal</i> , 2017, 59, 45-67.	4.1	41
29	Ambient-Stable Bis-Azoaromatic-Centered Diradical [(L ⁺)M(L ⁻)] Complexes of Rh(III): Synthesis, Structure, Redox, and Spin-Spin Interaction. <i>Inorganic Chemistry</i> , 2017, 56, 12764-12774.	1.9	11
30	Optimization of Energy Loss Cost of Distribution Networks with the Optimal Placement and Sizing of DSTATCOM Using Differential Evolution Algorithm. <i>Arabian Journal for Science and Engineering</i> , 2017, 42, 2851-2865.	1.7	30
31	Optimal Phase Angle Injection for Reactive Power Compensation of Distribution Systems with the Allocation of Multiple Distribution STATCOM. <i>Arabian Journal for Science and Engineering</i> , 2017, 42, 2663-2671.	1.7	19
32	Simultaneous capacitor allocation and conductor sizing in unbalanced radial distribution systems using differential evolution algorithm. , 2016, , .		11
33	Allocation of DSTATCOM and DG in distribution systems to reduce power loss using ESM algorithm. , 2016, , .		20
34	Forecasting of AELC and TESC of distribution systems with the optimal allocation of DSTATCOM. , 2016, , .		8
35	Effect of DSTATCOM allocation on the performance of an unbalanced radial distribution systems. , 2016, , .		9
36	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. <i>Inorganic Chemistry</i> , 2016, 55, 1461-1468.	1.9	16

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37	Impact of distribution STATCOM allocation on radial distribution networks. , 2015, , .		10
38	Placement of DSTATCOM in radial distribution systems for the compensation of reactive power. , 2015, , .		10
39	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
40	A modified forward backward sweep load flow algorithm for unbalanced radial distribution systems. , 2015, , .		21
41	Molecular and electronic structure of nonradical homoleptic pyridyl-azo-oxime complexes of cobalt(Co^{III}) and the azo-oxime anion radical congener: an experimental and theoretical investigation. Dalton Transactions, 2014, 43, 5317-5334.	1.6	20
42	Energy management at municipal parking deck for charging of Plug-in hybrid electric vehicles. , 2014, , .		2
43	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
44	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
45	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
46	Oximate bridged Rh(III) 2MII and Rh(III)MI species (MII = Mn, Co, Ni; MI = Cu, Ag). Journal of Chemical Sciences, 2008, 120, 87-93.	0.7	6
47	Synthesis and Structure of Dimeric Silver Azooximates. Hydrogen Bonding and Nonbonded Ag \cdots Ag Interaction. Inorganic Chemistry, 2000, 39, 2954-2956.	1.9	29
48	Regiospecific Oximate Coordination at the Oxygen Site: A Ligand Design and Low-Spin Mn(II) and Fe(II) Species. Inorganic Chemistry, 1999, 38, 5984-5987.	1.9	28
49	Synthesis and structure of bis(azooximates) of dichlororhodium(III): the oximate \cdots oximate O \cdots O bridge and the effect of its deprotonation. Journal of the Chemical Society Dalton Transactions, 1998, , 461.	1.1	15
50	First Examples of Carboxyl-Bonded Low-Spin Manganese(III) Complexes. Inorganic Chemistry, 1997, 36, 116-118.	1.9	19
51	Allocation Planning of the Hydrogen Refueling Stations for the Deployment of Hydrogen-Powered Locomotives in Indian North East Frontier Railway. , 0, , 1.		0