

Yateendra Mishra

List of Publications by Year in descending order

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138
papers

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186265

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citing authors

#	ARTICLE	IF	CITATIONS
1	Distributed Voltage Regulation for Low-Voltage and High-PV-Penetration Networks With Battery Energy Storage Systems Subject to Communication Delay. IEEE Transactions on Control Systems Technology, 2022, 30, 426-433.	5.2	17
2	Model Order Reduction Techniques for Physics-Based Lithium-Ion Battery Management: A Survey. IEEE Industrial Electronics Magazine, 2022, 16, 36-51.	2.6	31
3	Battery Dispatching for End Users With On-Site Renewables and Peak Demand Charges—An Approximate Dynamic Programming Approach. IEEE Transactions on Control Systems Technology, 2022, 30, 2100-2114.	5.2	3
4	Mobile-Energy-as-a-Service (MEaaS): Sustainable Electromobility via Integrated Energy—Transport—Urban Infrastructure. Sustainability, 2022, 14, 2796.	3.2	11
5	Voltage Restoration and Adjustable Current Sharing for DC Microgrid With Time Delay via Distributed Secondary Control. IEEE Transactions on Sustainable Energy, 2021, 12, 1068-1077.	8.8	38
6	Delay-Tolerant Predictive Power Compensation Control for Photovoltaic Voltage Regulation. IEEE Transactions on Industrial Informatics, 2021, 17, 4545-4554.	11.3	55
7	Distributed load scheduling in residential neighborhoods for coordinated operation of multiple home energy management systems. Applied Energy, 2021, 300, 117353.	10.1	17
8	Modular Multilevel Series Parallel Converter Prototype Design for Li-ion Battery Management Systems. , 2021, , .		2
9	A Decentralized Bilateral Energy Trading System for Peer-to-Peer Electricity Markets. IEEE Transactions on Industrial Electronics, 2020, 67, 4646-4657.	7.9	234
10	Differential Dynamic Programming Based Home Energy Management Scheduler. IEEE Transactions on Sustainable Energy, 2020, 11, 1427-1437.	8.8	25
11	Constrained Broadcast With Minimized Latency in Neighborhood Area Networks of Smart Grid. IEEE Transactions on Industrial Informatics, 2020, 16, 309-318.	11.3	15
12	Assessment techniques of the impact of grid-tied rooftop photovoltaic generation on the power quality of low voltage distribution network - A review. Renewable and Sustainable Energy Reviews, 2020, 120, 109643.	16.4	113
13	Distributed Secondary Control for Current Sharing and Voltage Restoration in DC Microgrid. IEEE Transactions on Smart Grid, 2020, 11, 2487-2497.	9.0	57
14	Capacity Loss Reduction using Smart-Battery Management System for Li-ion Battery Energy Storage Systems. , 2020, , .		4
15	Measurement Sensitivity and Estimation Error in Distribution System State Estimation using Augmented Complex Kalman Filter. Journal of Modern Power Systems and Clean Energy, 2020, 8, 657-668.	5.4	10
16	Steady-State Voltage Regulation With Reduced Photovoltaic Power Curtailment. IEEE Journal of Photovoltaics, 2020, 10, 1853-1863.	2.5	16
17	DC Arc Fault Detection For Grid-Connected Large-Scale Photovoltaic Systems. IEEE Journal of Photovoltaics, 2020, 10, 1489-1502.	2.5	12
18	Robust Event-Triggered Dynamic Average Consensus Against Communication Link Failures With Application to Battery Control. IEEE Transactions on Control of Network Systems, 2020, 7, 1559-1570.	3.7	19

#	ARTICLE	IF	CITATIONS
19	A review and evaluation of the state-of-the-art in PV solar power forecasting: Techniques and optimization. Renewable and Sustainable Energy Reviews, 2020, 124, 109792.	16.4	523
20	Hybrid trading scheme for peer-to-peer energy trading in transactive energy markets. IET Generation, Transmission and Distribution, 2020, 14, 245-253.	2.5	50
21	An incremental meter placement method for state estimation considering collinear measurements and high leverage points. International Journal on Smart Sensing and Intelligent Systems, 2020, 13, 1-12.	0.7	2
22	Multiresolution matrix factorisation as a compression method for smart meter data. Journal of Engineering, 2020, 2020, 737-744.	1.1	1
23	Generating Scale-Free Topology for Wireless Neighborhood Area Networks in Smart Grid. IEEE Transactions on Smart Grid, 2019, 10, 4245-4252.	9.0	22
24	Constrained Optimization of Multicast Routing for Wide Area Control of Smart Grid. IEEE Transactions on Smart Grid, 2019, 10, 3801-3808.	9.0	31
25	Reducing voltage fluctuations using DSTATCOMs and reactive power of PV inverters in a medium voltage distribution system. Journal of Engineering, 2019, 2019, 5274-5279.	1.1	6
26	Retailer's risk-aware trading framework with demand response aggregators in short-term electricity markets. IET Generation, Transmission and Distribution, 2019, 13, 2611-2618.	2.5	26
27	Output power smoothing control approaches for wind and photovoltaic generation systems: A review. Renewable and Sustainable Energy Reviews, 2019, 113, 109245.	16.4	62
28	Improved Reactive Power Sharing Among Customers' Inverters Using Online Thevenin Estimates. IEEE Transactions on Power Systems, 2019, 34, 4168-4176.	6.5	8
29	Distributed State-of-Charge Balance Control With Event-Triggered Signal Transmissions for Multiple Energy Storage Systems in Smart Grid. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1601-1611.	9.3	37
30	Enhancing scalability of peer-to-peer energy markets using adaptive segmentation method. Journal of Modern Power Systems and Clean Energy, 2019, 7, 791-801.	5.4	32
31	Dual-Consensus-Based Distributed Frequency Control for Multiple Energy Storage Systems. IEEE Transactions on Smart Grid, 2019, 10, 6396-6403.	9.0	35
32	Smoothing control strategy of wind and photovoltaic output power fluctuation by considering the state of health of battery energy storage system. IET Renewable Power Generation, 2019, 13, 578-586.	3.1	53
33	A Pricing Mechanism for BESS in Frequency Regulation Considering Penetration of the Renewables. , 2019, , .		0
34	Detection of DC Arc-Faults in Battery Energy Storage Systems. , 2019, , .		1
35	Voltage fluctuation mitigation: fast allocation and daily local control of DSTATCOMs to increase solar energy harvest. IET Renewable Power Generation, 2019, 13, 2558-2568.	3.1	8
36	Multiobjective Home Appliances Scheduling Considering Customer Thermal Discomfort: A Multistep Look-ahead ADP-Based Approach. , 2019, , .		3

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37	Two-step market clearing for local energy trading in feeder-based markets. Journal of Engineering, 2019, 2019, 4775-4779.	1.1	8
38	Design of auction-based approach for market clearing in peer-to-peer market platform. Journal of Engineering, 2019, 2019, 4813-4818.	1.1	37
39	Demand-Side Management and Demand Response for Smart Grid. Energy Systems in Electrical Engineering, 2019, , 197-231.	0.7	15
40	Minimizing Multicast Routing Delay in Multiple Multicast Trees With Shared Links for Smart Grid. IEEE Transactions on Smart Grid, 2019, 10, 5427-5435.	9.0	25
41	Fuzzy-based smoothing of fluctuations in output power from wind and photovoltaics in a hybrid power system with batteries. International Transactions on Electrical Energy Systems, 2019, 29, e2757.	1.9	11
42	A new algorithm for improving the numerical stability of power system state estimation. IEEE Transactions on Electrical and Electronic Engineering, 2019, 14, 358-365.	1.4	9
43	Discrete-Event Systems Supervisory Control for a Custom Power Park. IEEE Transactions on Smart Grid, 2019, 10, 483-492.	9.0	14
44	Morphological Fault Detector for Adaptive Overcurrent Protection in Distribution Networks With Increasing Photovoltaic Penetration. IEEE Transactions on Sustainable Energy, 2018, 9, 1021-1029.	8.8	21
45	Achieving a minimum power fluctuation rate in wind and photovoltaic output power using discrete Kalman filter based on weighted average approach. IET Renewable Power Generation, 2018, 12, 633-638.	3.1	16
46	Detection of high impedance faults in PV systems using mathematical morphology. , 2018, , .		6
47	Kalman filter approach for dispatching and attenuating the power fluctuation of wind and photovoltaic power generating systems. IET Generation, Transmission and Distribution, 2018, 12, 1501-1508.	2.5	32
48	Impacts of Single-Phase PV Injection on Voltage Quality in 3-Phase 4-Wire Distribution Systems. , 2018, , .		5
49	DC Arc-Fault Detection in PV Systems Using Multistage Morphological Fault Detection Algorithm. , 2018, , .		4
50	Distributed Market Clearing Approach for Local Energy Trading in Transactive Market. , 2018, , .		11
51	The Role of Demand Response Aggregators and the Effect of GenCos Strategic Bidding on the Flexibility of Demand. Energies, 2018, 11, 3296.	3.1	24
52	A Multiobjective Voltage Unbalance Factor for PV Hosting Capacity with Probabilistic ZIP Load Models. , 2018, , .		1
53	Market framework for local energy trading: a review of potential designs and market clearing approaches. IET Generation, Transmission and Distribution, 2018, 12, 5899-5908.	2.5	156
54	Primary Frequency Controller with Prediction-Based Droop Coefficient for Wind-Storage Systems under Spot Market Rules. Energies, 2018, 11, 2340.	3.1	2

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55	Coordination of wind generation and demand response to minimise operation cost in day-ahead electricity markets using bi-level optimisation framework. IET Generation, Transmission and Distribution, 2018, 12, 3793-3802.	2.5	45
56	High-impedance fault detection and classification in power system distribution networks using morphological fault detector algorithm. IET Generation, Transmission and Distribution, 2018, 12, 3699-3710.	2.5	42
57	Protection Issues in Microgrids and Multi-microgrids. , 2017, , 503-547.		1
58	Utilizing distributed energy resources to support frequency regulation services. Applied Energy, 2017, 206, 1484-1494.	10.1	29
59	An Improved Algorithm to Remove DC Offsets From Fault Current Signals. IEEE Transactions on Power Delivery, 2017, 32, 749-756.	4.3	20
60	Wave Aspect of Power System Transient Stabilityâ€”Part II: Control Implications. IEEE Transactions on Power Systems, 2017, 32, 2501-2508.	6.5	16
61	Wave Aspect of Power System Transient Stabilityâ€”Part I: Finite Approximation. IEEE Transactions on Power Systems, 2017, 32, 2493-2500.	6.5	12
62	Decoupled controller for single-phase grid connected rooftop PV systems to improve voltage profile in residential distribution systems. IET Renewable Power Generation, 2017, 11, 370-377.	3.1	21
63	Power admission control of plug-in electric vehicles using supervisory control of discrete event system. , 2017, , .		2
64	Transactive market clearing model with coordinated integration of large-scale solar PV farms and demand response capable loads. , 2017, , .		16
65	Dynamic programming based home energy management unit incorporating PVs and batteries. , 2017, , .		20
66	Solution methods of ill-conditioned power system state estimation: A comparative study. , 2017, , .		4
67	Challenges in high impedance fault detection due to increasing penetration of photovoltaics in radial distribution feeder. , 2017, , .		5
68	Auction based energy trading in transactive energy market with active participation of prosumers and consumers. , 2017, , .		44
69	Network impact of multiple HEMUs with PVs and BESS in a low voltage distribution feeder. , 2017, , .		3
70	Improved reactive power sharing among photovoltaic inverters using ThÃ©venin's impedance based approach. , 2017, , .		1
71	Assessment of voltage unbalance due to single phase rooftop photovoltaic panels in residential low voltage distribution network: A study on a real LV network in Western Australia. , 2017, , .		10
72	A fuzzy logic control approach for smoothing of wind and photovoltaic generation output fluctuations. , 2017, , .		4

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73	Peer-to-peer market clearing framework for DERs using knapsack approximation algorithm. , 2017, , .		24
74	Dynamic equivalentâ€¢based reliability evaluation of distribution systems with DGs. IET Generation, Transmission and Distribution, 2016, 10, 2285-2294.	2.5	10
75	Incremental placement of PMUs for enhancing state estimation accuracy. , 2016, , .		3
76	Modelling of DC arcs for photovoltaic system faults. , 2016, , .		12
77	Competition driven bi-level supply offer strategies in day ahead electricity market. , 2016, , .		13
78	Communication requirements of wide area control in smart grids. , 2016, , .		3
79	Optimal placement of PMUs using river formation dynamics (RFD). , 2016, , .		4
80	Detection and identification of high impedance faults in single wire earth return distribution networks. , 2016, , .		8
81	Efficient probabilistic contingency analysis through a stability measure considering wind perturbation. IET Generation, Transmission and Distribution, 2016, 10, 897-905.	2.5	13
82	Fuzzy-Logic Based Frequency Controller for Wind Farms Augmented With Energy Storage Systems. IEEE Transactions on Power Systems, 2016, 31, 1595-1603.	6.5	181
83	Probabilistic load flow for distribution systems with uncertain PV generation. Applied Energy, 2016, 163, 343-351.	10.1	100
84	Reducing power fluctuations from wind and photovoltaic systems using discrete Kalman filter. , 2016, , .		4
85	Application of Inverse Filtering Technique in Power System Studies. IFAC-PapersOnLine, 2015, 48, 203-208.	0.9	0
86	Fast Unscented Transformation-Based Transient Stability Margin Estimation Incorporating Uncertainty of Wind Generation. IEEE Transactions on Sustainable Energy, 2015, 6, 1254-1262.	8.8	20
87	PMU measurement based dynamic load modeling using SVC devices in online enviroment. , 2015, , .		4
88	Real-time price based home energy management scheduler. , 2015, , .		5
89	Power system stability implications from electromechanical wave propagation. , 2015, , .		2
90	Modeling Dynamic Demand Response Using Monte Carlo Simulation and Interval Mathematics for Boundary Estimation. IEEE Transactions on Smart Grid, 2015, 6, 2704-2713.	9.0	28

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91	Wide-area damping control for inter-area oscillations using inverse filtering technique. IET Generation, Transmission and Distribution, 2015, 9, 1534-1543.	2.5	7
92	Real-time wide-area loading margin sensitivity (WALMS) in power systems. , 2015, , .		9
93	Correction factors for dynamic state estimation of aggregated generators. , 2015, , .		3
94	Stochastic Ranking Method for Thermostatically Controllable Appliances to Provide Regulation Services. IEEE Transactions on Power Systems, 2015, 30, 1987-1996.	6.5	29
95	Real-Time Price Based Home Energy Management Scheduler. IEEE Transactions on Power Systems, 2015, 30, 2149-2159.	6.5	73
96	Insulation coordination study for a 50 kV traction feeder station. , 2014, , .		1
97	Battery energy storage systems to improve power system frequency response. , 2014, , .		3
98	Estimating the impact of reduced inertia on frequency stability due to large-scale wind penetration in Australian electricity network. , 2014, , .		6
99	Coordinated Control of Grid-Connected Photovoltaic Reactive Power and Battery Energy Storage Systems to Improve the Voltage Profile of a Residential Distribution Feeder. IEEE Transactions on Industrial Informatics, 2014, 10, 967-977.	11.3	293
100	Demand Response for Residential Appliances via Customer Reward Scheme. IEEE Transactions on Smart Grid, 2014, 5, 809-820.	9.0	248
101	Utilizing reactive capability of PV inverters and battery systems to improve voltage profile of a residential distribution feeder. , 2014, , .		6
102	Improving voltage profile of residential distribution systems using rooftop PVs and Battery Energy Storage systems. Applied Energy, 2014, 134, 290-300.	10.1	113
103	Energy efficient home with price sensitive stochastically programmable TCAs. , 2014, , .		2
104	Design of a nonlinear excitation controller using inverse filtering for transient stability enhancement. , 2014, , .		2
105	Some of the Design Considerations in Power Generation from Offshore Wind Farms. Engineering & Technology Reference, 2014, , .	0.1	4
106	Universal active and reactive power control of electronically interfaced distributed generation sources in virtual power plants operating in grid-connected and islanding modes. IET Generation, Transmission and Distribution, 2013, 7, 885-897.	2.5	20
107	A flexible protection scheme for an islanded Multi-Microgrid. , 2013, , .		4
108	The operating schedule for battery energy storage companies in electricity market. Journal of Modern Power Systems and Clean Energy, 2013, 1, 275-284.	5.4	19

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109	Power system stability enhancement using flux control for excitation system. , 2013, , .		1
110	A novel real time pricing scheme for demand response in residential distribution systems. , 2013, , .		18
111	The application of BESS in load shedding scheme. , 2013, , .		1
112	An improved protection strategy for microgrids. , 2013, , .		7
113	Utilizing Wide-Area Signals for off-center SVCs to damp interarea oscillations. , 2013, , .		9
114	Role of electromechanical wave propagation in power systems. , 2013, , .		7
115	Effectiveness of Reactive Power Capability of Photo Voltaic Inverters to Maintain Voltage Profile in a Residential Distribution Feeder. GSTF Journal of Engineering Technology, 2013, 2, .	0.0	1
116	Effectiveness of Reactive Power Capability of Photo Voltaic Inverters to Maintain Acceptable Voltage Profile in a Residential Distribution System. , 2013, , .		0
117	Collaborative efforts to enhance power engineering education in Australia. , 2012, , .		2
118	Probability analysis of machine angle stability with Non-Gaussian wind power input. , 2012, , .		1
119	Distribution feeder loads classification and decomposition. , 2012, , .		1
120	Active and reactive power control of synchronous generator for the realization of a virtual power plant. , 2012, , .		6
121	Impact of Wind Power Development on Transmission Planning at Midwest ISO. IEEE Transactions on Sustainable Energy, 2012, 3, 845-852.	8.8	18
122	Long term transmission planning to meet renewable energy targets in Australia. , 2012, , .		10
123	Coordinated Tuning of DFIC-Based Wind Turbines and Batteries Using Bacteria Foraging Technique for Maintaining Constant Grid Power Output. IEEE Systems Journal, 2012, 6, 16-26.	4.6	50
124	Generator interconnection procedures at the Midwest ISO. , 2011, , .		1
125	Security constrained economic dispatch considering wind energy conversion systems. , 2011, , .		22
126	Innovative planning approaches for generator interconnection group study. , 2010, , .		1

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127	Eigenvalue Analysis of a DFIG Based Wind Power System under Different Modes of Operations. Green Energy and Technology, 2010, , 191-213.	0.6	2
128	Effective planning approach to interconnect bulk quantities of wind generation. , 2010, , .		4
129	Application of TS-Fuzzy Controller for Active Power and DC Capacitor Voltage Control in DFIG-Based Wind Energy Conversion Systems. Green Energy and Technology, 2010, , 367-382.	0.6	4
130	Doubly Fed Induction Generators. , 2010, , 147-178.		2
131	Power system sensitivity analysis considering induction motor loads. , 2009, , .		2
132	Small signal stability analysis of a DFIG based wind power system with tuned damping controller under super/sub-synchronous mode of operation. , 2009, , .		11
133	TS-fuzzy controlled DFIG based wind energy conversion systems. , 2009, , .		19
134	Improving Stability of a DFIG-Based Wind Power System With Tuned Damping Controller. IEEE Transactions on Energy Conversion, 2009, 24, 650-660.	5.2	150
135	Induction motor load impact on power system eigenvalue sensitivity analysis. IET Generation, Transmission and Distribution, 2009, 3, 690-700.	2.5	16
136	Small-Signal Stability Analysis of a DFIG-Based Wind Power System Under Different Modes of Operation. IEEE Transactions on Energy Conversion, 2009, 24, 972-982.	5.2	148
137	Design of fixed order robust power oscillation damper for TCSC. , 2008, , .		1
138	Rough Fuzzy Control of SVC for Power System Stability Enhancement. Journal of Electrical Engineering and Technology, 2008, 3, 337-345.	2.0	9