Yasuhiro Hayashi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4315404/publications.pdf

Version: 2024-02-01

258	2,193	304602	330025
papers	citations	22 h-index	37 g-index

259	259	259	1490
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electric Vehicle Chargeâ€“Discharge Management for Utilization of Photovoltaic by Coordination Between Home and Grid Energy Management Systems. IEEE Transactions on Smart Grid, 2019, 10, 3186-3197.	6.2	127
2	Detection of Cyber Attacks Against Voltage Control in Distribution Power Grids With PVs. IEEE Transactions on Smart Grid, 2016, 7, 1824-1835.	6.2	118
3	An algorithm for thermal unit maintenance scheduling through combined use of GA, SA and TS. IEEE Transactions on Power Systems, 1997, 12, 329-335.	4.6	108
4	Distribution Loss Minimization With Guaranteed Error Bound. IEEE Transactions on Smart Grid, 2014, 5, 102-111.	6.2	101
5	A Versatile Clustering Method for Electricity Consumption Pattern Analysis in Households. IEEE Transactions on Smart Grid, 2013, 4, 1048-1057.	6.2	56
6	Loss Minimum Configuration of Distribution System Considering N-1 Security of Dispersed Generators. IEEE Transactions on Power Systems, 2004, 19, 636-642.	4.6	54
7	Feature Extraction of NWP Data for Wind Power ForecastingUsing 3D-Convolutional Neural Networks. Energy Procedia, 2018, 155, 350-358.	1.8	49
8	Electric Vehicle Charging Management Using Auction Mechanism for Reducing PV Curtailment in Distribution Systems. IEEE Transactions on Sustainable Energy, 2020, 11, 1394-1403.	5.9	49
9	Versatile Modeling Platform for Cooperative Energy Management Systems in Smart Cities. Proceedings of the IEEE, 2018, 106, 594-612.	16.4	47
10	åˆ†æ•£åž‹é›»æºã®å°Žå…¥æ‹¡å¤§ã«ä¼´ã†é…é›»ç³»çµ±é›»åœ§å¤‰å¾¡ã®å‹•å‘. IEEJ Transactions on Power and Energy, 20	0.1	47
11	Distributed Energy Management for Comprehensive Utilization of Residential Photovoltaic Outputs. IEEE Transactions on Smart Grid, 2018, 9, 1216-1227.	6.2	44
12	Power System Harmonic Analysis Using State-Estimation Method for Japanese Field Data. IEEE Transactions on Power Delivery, 2005, 20, 970-977.	2.9	41
13	Alerting to Rare Large-Scale Ramp Events in Wind Power Generation. IEEE Transactions on Sustainable Energy, 2019, 10, 55-65.	5.9	35
14	Evaluation of Annual Energy Loss Reduction Based on Reconfiguration Scheduling. IEEE Transactions on Smart Grid, 2018, 9, 1986-1996.	6.2	33
15	Energy disaggregation based on smart metering data via semi-binary nonnegative matrix factorization. Energy and Buildings, 2019, 183, 547-558.	3.1	32
16	Voltage Control Method by SVC in Consideration of Cooperative Control with LRT and Determination Method for Rated Capacity and Control Parameters of SVC. IEEJ Transactions on Power and Energy, 2010, 130, 963-971.	0.1	32
17	Cooperative Voltage Control Method by Power Factor Control of PV Systems and LRT. IEEJ Transactions on Power and Energy, 2012, 132, 309-316.	0.1	32
18	Multipurpose control and planning method for battery energy storage systems in distribution network with photovoltaic plant. International Journal of Electrical Power and Energy Systems, 2020, 116, 105485.	3.3	30

#	Article	IF	Citations
19	An integrated approach of estimating demand response flexibility of domestic laundry appliances based on household heterogeneity and activities. Energy Policy, 2020, 142, 111467.	4.2	28
20	Upgrading Voltage Control Method Based on Photovoltaic Penetration Rate. IEEE Transactions on Smart Grid, 2018, 9, 3994-4003.	6.2	26
21	ãƒžã‚¯ãƒã‚°ãƒªãƒƒãƒ‰ã«ãŠã‘ã‚‹ãƒ©ãƒ³ãƒ€ãƒ é›»æºé›¢è„±æ™‚ã®é›»åœ§å®‰å®šåŒ–æ‰‹æ³•. IEEJ Transactions on Power and Energy, 2008, 128	0.1	26
22	Scalable enumeration approach for maximizing hosting capacity of distributed generation. International Journal of Electrical Power and Energy Systems, 2019, 105, 867-876.	3.3	24
23	Determination Method for Optimal Sending Voltage Profile in Distribution System with Distributed Generators. IEEJ Transactions on Power and Energy, 2005, 125, 846-854.	0.1	21
24	Proposal and Experimental Verification of Distribution Voltage Estimation and Control Method using Measured Data from IT Switches. IEEJ Transactions on Power and Energy, 2010, 130, 859-869.	0.1	21
25	Establishment of a Standard Analytical Model of Distribution Network with Distributed Generators and Development of Multi Evaluation Method for Network Configuration Candidates. IEEJ Transactions on Power and Energy, 2006, 126, 1013-1022.	0.1	20
26	Intensive quadratic programming approach for home energy management systems with power utility requirements. International Journal of Electrical Power and Energy Systems, 2020, 115, 105473.	3.3	19
27	Designing Sustainable Smart Cities: Cooperative Energy Management Systems and Applications. IEEJ Transactions on Electrical and Electronic Engineering, 2020, 15, 1256-1270.	0.8	19
28	Efficient determination of optimal radial power system structure using Hopfield neural network with constrained noise. IEEE Transactions on Power Delivery, 1996, 11, 1529-1535.	2.9	18
29	Computation Method to Improve Three-phase Voltage Imbalance by Exchange of Single-phase Load Connection. IEEJ Transactions on Power and Energy, 2005, 125, 365-372.	0.1	18
30	Preliminary Analysis of Short-term Solar Irradiance Forecasting by using Total-sky Imager and Convolutional Neural Network. , 2019, , .		17
31	Evaluation of an Optimal Radial-Loop Configuration for a Distribution Network With PV Systems to Minimize Power Loss. IEEE Access, 2020, 8, 220408-220421.	2.6	17
32	Active Coordinated Operation of Distribution Network System for Many Connections of Distributed Generators. IEEJ Transactions on Power and Energy, 2007, 127, 41-51.	0.1	16
33	Coordinated BESS control for improving voltage stability of a PV-supplied microgrid. , 2013, , .		15
34	Machine Learning Approach for Graphical Model-Based Analysis of Energy-Aware Growth Control in Plant Factories. IEEE Access, 2019, 7, 32183-32196.	2.6	15
35	Experimental Verification of Application of Looped System and Centralized Voltage Control in a Distribution System with Renewable Energy Sources. IEEJ Transactions on Power and Energy, 2010, 130, 932-940.	0.1	15
36	Electricity adjustment for capacity market auction by a district heating and cooling system. Applied Energy, 2017, 206, 623-633.	5.1	14

#	Article	IF	Citations
37	Willingness to Pay for Home Energy Management Systems: A Survey in New York and Tokyo. Sustainability, 2019, 11, 4790.	1.6	14
38	Pattern sequence-based energy demand forecast using photovoltaic energy records. , 2012, , .		13
39	Determination method of optimal planning and operation for residential PV system and storage battery based on weather forecast. , 2012, , .		13
40	Home energy management based on Bayesian network considering resident convenience. , 2014, , .		13
41	Stochastic receding horizon control minimizing mean-variance with demand forecasting for home EMSs. Energy and Buildings, 2018, 158, 1632-1639.	3.1	13
42	Deep reservoir architecture for short-term residential load forecasting: An online learning scheme for edge computing. Applied Energy, 2021, 298, 117176.	5.1	13
43	Feature extraction of numerical weather prediction results toward reliable wind power prediction. , 2017, , .		12
44	A national project on Optimal Control and demonstration of the Japanese smart grid for massive integration of photovoltaic systems. , 2012, , .		11
45	On detection of cyber attacks against voltage control in distribution power grids. , 2014, , .		11
46	Forecast of Infrequent Wind Power Ramps Based on Data Sampling Strategy. Energy Procedia, 2017, 135, 496-503.	1.8	11
47	Effectiveness of updating the parameters of the Volt-VAR control depending on the PV penetration rate and weather conditions. , 2017, , .		11
48	Renovating a house to aim for net-zero energy, thermal comfort, energy self-consumption and behavioural adaptation: A method proposed for ENEMANE HOUSE 2017. Energy and Buildings, 2019, 201, 183-193.	3.1	11
49	Optimal parameters of voltâ€var functions for photovoltaic smart inverters in distribution networks. IEEJ Transactions on Electrical and Electronic Engineering, 2019, 14, 75-84.	0.8	11
50	Battery smoothing control for photovoltaic system using short-term forecast with total sky images. Electric Power Systems Research, 2021, 190, 106645.	2.1	11
51	Determination Method of Loss-minimum Configuration with Mathematical Optimality in a Three Sectionalized and Three Connected Distribution Feeder Network. IEEJ Transactions on Power and Energy, 2006, 126, 516-524.	0.1	11
52	Japanese Energy Management in Smart Grid after the Great East Japan Earthquake. IEEJ Transactions on Power and Energy, 2013, 133, 225-228.	0.1	11
53	Cooperating Voltage Control Method between Battery Energy Storage System and LRT and SVR for Purpose of Expansion of PV Introduction. IEEJ Transactions on Power and Energy, 2016, 136, 291-301.	0.1	11
54	Analysis of even harmonics generation in an isolated electric power system. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2009, 167, 56-63.	0.2	10

#	Article	IF	Citations
55	Centralized voltage control method using voltage forecasting by JIT modeling in distribution networks. , 2016, , .		10
56	Estimation Prediction Interval of Solar Irradiance Based on Just-in-Time Modeling for Photovoltaic Output Prediction. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2016, 195, 1-10.	0.2	10
57	Operation planning method for home air-conditioners considering characteristics of installation environment. Energy and Buildings, 2018, 177, 351-362.	3.1	10
58	Sparse modeling approach for identifying the dominant factors affecting situation-dependent hourly electricity demand. Applied Energy, 2020, 265, 114752.	5.1	10
59	Home Energy Management Systems under Effects of Solarâ€Battery Smart Inverter Functions. IEEJ Transactions on Electrical and Electronic Engineering, 2020, 15, 692-703.	0.8	10
60	Service Restoration Method Considering Simultaneous Disconnection of Distributed Generators by One Bank Fault of Distribution System. IEEJ Transactions on Power and Energy, 2006, 126, 336-346.	0.1	10
61	Evaluation of Voltage Control Effect of Acquisition Period for IT Switch Data. IEEJ Transactions on Power and Energy, 2013, 133, 324-332.	0.1	10
62	Proposal of Dynamic Voltage Control using SVC with Variable Dead Band in Distribution System. IEEJ Transactions on Power and Energy, 2013, 133, 396-403.	0.1	10
63	Determination of the optimal control parameters of voltage regulators installed in a radial distribution network. IEEJ Transactions on Electrical and Electronic Engineering, 2008, 3, 515-523.	0.8	9
64	Maximizing hosting capacity of distributed generation by network reconfiguration in distribution system. , 2016, , .		9
65	Optimal smart functions of large-scale PV inverters in distribution systems. , 2017, , .		9
66	Spatial demand forecasting based on smart meter data for improving local energy selfâ€sufficiency in smart cities. IET Smart Cities, 2021, 3, 107-120.	1.6	9
67	Determination Method for Optimal Installation of Active Filters in Distribution Network with Distributed Generation. IEEJ Transactions on Power and Energy, 2009, 129, 733-744.	0.1	9
68	Voltage-Sensitivity-Based Volt-VAR-Watt Settings of Smart Inverters for Mitigating Voltage Rise in Distribution Systems. IEEE Open Access Journal of Power and Energy, 2021, 8, 584-595.	2.5	9
69	Method of Optimal Allocation of SVR in Distribution Feeders with Renewable Energy Sources. Journal of International Council on Electrical Engineering, 2012, 2, 159-165.	0.4	8
70	Voltage control of multiple step voltage regulators by renewing control parameters. , 2014, , .		8
71	Personalized Energy Management Systems for Home Appliances Based on Bayesian Networks. Journal of International Council on Electrical Engineering, 2015, 5, 64-69.	0.4	8
72	Energy Disaggregation Based on Semi-Binary NMF. Lecture Notes in Computer Science, 2016, , 401-414.	1.0	8

#	Article	IF	Citations
73	Control methods for an energy storage system when wind power output deviates from grid code. Journal of International Council on Electrical Engineering, 2017, 7, 159-165.	0.4	8
74	A Simple Evaluation Method for Annual CO₂ Emissions Reduced by Distribution Loss Minimization. IEEJ Transactions on Power and Energy, 2007, 127, 1137-1144.	0.1	8
75	Cooperation Voltage Control Method of LRT and SVR in Distribution System with PV Systems Corresponding to Bank Fault Restoration. IEEJ Transactions on Power and Energy, 2013, 133, 333-342.	0.1	8
76	Estimation Method of Prediction Interval of Solar Irradiance Based on Just-In-Time Modeling for Photovoltaic Output Prediction. IEEJ Transactions on Power and Energy, 2015, 135, 160-167.	0.1	8
77	Optimal allocation of dispersed generators for loss minimization. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2001, 136, 1-8.	0.2	7
78	Determination Method for Loss-minimum Distribution System Configuration Considering Disconnection of Installed Dispersed Generators. IEEJ Transactions on Power and Energy, 2002, 122, 1376-1383.	0.1	7
79	Method for instantly determining line drop compensator parameters of low-voltage regulator using multiple classifiers. , 2014, , .		7
80	The basic study for development of a method for determining the LDC parameters of LRT and SVR using PV output forecasting. , 2015, , .		7
81	Voltage Control Method Utilizing Solar Radiation Data in High Spatial Resolution for Service Restoration in Distribution Networks with PV. Journal of Energy Engineering - ASCE, 2017, 143, .	1.0	7
82	Computation of Locational and Hourly Maximum Output of a Distributed Generator Connected to a Distribution Feeder. IEEJ Transactions on Power and Energy, 2006, 126, 1023-1031.	0.1	7
83	Determination Method of Optimal Operation Schedule for Fuel Cells in Collective Housing. IEEJ Transactions on Power and Energy, 2008, 128, 1217-1226.	0.1	7
84	Analysis of Power Quality Based on Real Data and Quality Improvement at Campus Distribution System. IEEJ Transactions on Power and Energy, 2009, 129, 1115-1122.	0.1	7
85	EMPIRICAL STUDY ON EFFECTIVE UTILIZATION OF PHOTOVOLTAIC POWER GENERATION BY PRECOOLING AND PREHEATING OPERATION IN HOUSE. Journal of Environmental Engineering (Japan), 2019, 84, 73-81.	0.1	7
86	Charging Schedule Optimization Method for Electric Buses with PV Installed at Bus Stations: Sensitivity Analysis of PV Capacity based on Real City Data. , 2020, , .		7
87	Determination of optimal system configuration in japanese secondary power systems. IEEE Transactions on Power Systems, 2003, 18, 394-399.	4.6	6
88	Novel voltage control of multiple step voltage regulators in a distribution system. , 2014, , .		6
89	Energy cost minimization in plant factories considering weather factors using additive Bayesian networks. Journal of International Council on Electrical Engineering, 2018, 8, 128-135.	0.4	6
90	Expected Wind Speed Estimation Considering Spatio-Temporal Anisotropy for Generating Synthetic Wind Power Profiles. Energy Procedia, 2018, 155, 309-319.	1.8	6

#	Article	IF	Citations
91	Operational Planning of a Residential Fuel Cell System for Minimizing Expected Operational Costs Based on a Surrogate Model. IEEE Access, 2020, 8, 173983-173998.	2.6	6
92	Application of Improved PSO to Power Flow Control by TCSC for Maximum Acceptance of Requested Wheeled Power. IEEJ Transactions on Power and Energy, 2003, 123, 1133-1141.	0.1	6
93	Development of Distribution Network Equipment to Support the Solution of Problem of Connecting Distributed Generators (ANSWER) and Verification Experiment of Active Coordinated Operation of Distributed Generator and Distribution Network. IEEJ Transactions on Power and Energy, 2010, 130, 473-483.	0.1	6
94	Economic Evaluation of Increased Self-use of PV Output Driven by Storage Battery System. IEEJ Transactions on Power and Energy, 2019, 139, 363-371.	0.1	6
95	Centralized BESS control to minimize demand of PV-supplied micro-grid under voltage constraints. , 2012, , .		5
96	Voltage and energy loss assessment for systems with smart inverter functions of rooftop solar. , 2017, , .		5
97	Installed generator capacity determination method with variable weather-based SOC operation for island-alone off-grid system. , 2017, , .		5
98	Electricity Adjustment by Aggregation Control of Multiple District Heating and Cooling Systems. Energy Procedia, 2018, 149, 317-326.	1.8	5
99	Temporal Interpolation of Gridded Solar Radiation Data for Evaluation of PV Fluctuations. Energy Procedia, 2018, 155, 259-268.	1.8	5
100	Spinning reserve quantification considering confidence levels of forecast in systems with high wind and solar power penetration. IEEJ Transactions on Electrical and Electronic Engineering, 2019, 14, 1304-1313.	0.8	5
101	Smart Grid and Technology. Journal of the Institute of Electrical Engineers of Japan, 2012, 132, 678-679.	0.0	5
102	A Determination Method of the Restoration Configuration Considering Many Connections of Distributed Generators. IEEJ Transactions on Power and Energy, 2011, 131, 187-195.	0.1	5
103	Experimental multiâ€objective evaluation of radial and loop distribution network configuration using distribution network equipment. IEEJ Transactions on Electrical and Electronic Engineering, 2008, 3, 530-539.	0.8	4
104	Active coordinated operation of a distribution network system for many connections of distributed generators. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2009, 167, 46-57.	0.2	4
105	Method for Determining Line Drop Compensator Control Parameters of Low-Voltage Regulator Using Random Forest. Applied Mechanics and Materials, 0, 799-800, 1299-1305.	0.2	4
106	Improvement of prediction interval estimation algorithm with just-in-time modeling for PV system operation. , 2015, , .		4
107	Evaluation of coordinated energy management system for grid and home in distribution system with PVs. Journal of International Council on Electrical Engineering, 2016, 6, 126-133.	0.4	4
108	DESIGN AND CONSTRUCTION OF ZERO ENERGY HOUSE. AIJ Journal of Technology and Design, 2016, 22, 1049-1052.	0.1	4

#	Article	IF	Citations
109	Optimal allocation of photovoltaic systems and energy storage systems considering constraints of both transmission and distribution systems. , 2017, , .		4
110	Evaluation of Dynamic Voltage Responses of Distributed Energy Resources in Distribution Systems. , 2018, , .		4
111	Hot Water Demand Prediction Method for Operational Planning of Residential Fuel Cell System. , 2019, , .		4
112	Advanced voltage control method for improving the voltage quality of low-voltage distribution networks with photovoltaic penetrations. Energy Informatics, 2021, 4, .	1.4	4
113	ãƒ‘ãƒ¬ãƒˆæœ€é©è§£ã‚’ç”¨ã„ãŸé…é›»ãƒãƒƒãƒˆãƒ¯ãƒ¼ã‚¯ã®é›»åœ§ç®¡ç†æ‰‹æ³•. IEEJ Transactions on Power and	0.1	4
114	å¯†æ•£åž‹é›»æºã®å†é€£ç³»ã‚’è€ƒæ…®ã—ãŸé…é›»æ–¹æ³•ã®æ‰‹æ³•. IEEJ Transactions on Power and Energy, 2009, 129	0.1	4
115	Restraint Method of Voltage Total Harmonic Distortion in Distribution Network by Power Conditioner Systems using Measured Data from IT Switches. IEEJ Transactions on Power and Energy, 2011, 131, 936-944.	0.1	4
116	Transmission and Distribution Losses Minimization using Hierarchy Control Method of Transmission System Circuit Breakers and Distribution System Switches for Various PV Penetration Cases. IEEJ Transactions on Power and Energy, 2013, 133, 383-395.	0.1	4
117	Dynamic Updating Method of Optimal Control Parameters of Multiple Advanced SVRs in a Single Feeder. IEEJ Transactions on Power and Energy, 2015, 135, 550-558.	0.1	4
118	A Fault Location Method using Air-Gap Fluxes of Synchronous Generator. IEEJ Transactions on Power and Energy, 2007, 127, 495-501.	0.1	4
119	Determination Method of Operation Plan for Fuel Cells in Collective Housing with Electric Power Interchange System. IEEJ Transactions on Power and Energy, 2014, 134, 682-691.	0.1	4
120	Multipurpose Charging Schedule Optimization Method for Electric Buses: Evaluation Using Real City Data. IEEE Access, 2022, 10, 56067-56080.	2.6	4
121	Long-term load forecasting using improved recurrent neural network. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 1994, 114, 41-54.	0.2	3
122	A fault location method using air-gap fluxes of synchronous generator. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2009, 167, 20-27.	0.2	3
123	Load Management using Heat-Pump Water Heater and Electric Vehicle Battery Charger in Distribution System with PV. Journal of International Council on Electrical Engineering, 2011, 1, 207-213.	0.4	3
124	Prevention of output suppression through heat pump water heaters for high-penetration residential PV systems. , 2013, , .		3
125	Generating Synthetic Profiles of Onshore Wind Power for Power Flow Simulation on Power System. Journal of Energy Engineering - ASCE, 2017, 143, .	1.0	3
126	Evaluation of energy-loss minimum operations using real measurements and network data. , 2017, , .		3

#	Article	IF	Citations
127	Evaluation of Voltage Regulation Functions of Smart Inverters Based on Penetration Level and Curtailment in Photovoltaic Systems. , 2018, , .		3
128	Proposal and evaluation of determination method for multiobjective output dispatch of frequency control generators to compensate for renewable energy system fluctuation in multiarea system operation. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2018, 205, 3-16.	0.2	3
129	Estimation of Expected Cost Curve on Operation Parameter Space for Planning Residential PEFCâ€“CGS. , 2019, , .		3
130	Dynamic Optimization of SVR Control Parameters for Improving Tap Operation Efficiency of Voltage Control in Distribution Networks. IEEJ Transactions on Electrical and Electronic Engineering, 2021, 16, 67-77.	0.8	3
131	A Planned Power Generation for Battery-Assisted Photovoltaic System Using Short-Term Forecast. IEEE Access, 2021, 9, 125238-125246.	2.6	3
132	Voltage Regulation of Distribution System by Demand Side Battery Control Method Considering Coordination with HEMS. IEEJ Transactions on Power and Energy, 2021, 141, 336-344.	0.1	3
133	Analysis of Even Harmonics Generation in an Isolated Electric Power System. IEEJ Transactions on Power and Energy, 2006, 126, 887-893.	0.1	3
134	Stabilization Control Method of Output of Photovoltaic Generation Systems using Binary Control. IEEJ Transactions on Power and Energy, 2009, 129, 1576-1584.	0.1	3
135	Method for Rapidly Determining Line Drop Compensator Parameters of Low-Voltage Regulator using Classifiers. IEEJ Transactions on Power and Energy, 2015, 135, 446-453.	0.1	3
136	An Evaluation of Economical Capacity of Storage Battery Equipped with Residential PV System and Reverse Power Flow Pattern. IEEJ Transactions on Power and Energy, 2018, 138, 175-182.	0.1	3
137	Quantitative Evaluation of PV Output Curtailment Waiting Effects by Power Conditioning System in Distribution Network and Determination of Appropriate Waiting Time based on Evaluated Results. IEEJ Transactions on Power and Energy, 2018, 138, 805-814.	0.1	3
138	Computation Method for Simultaneous Transfer Capability Considering Wheeled Power by PPS. IEEJ Transactions on Power and Energy, 2002, 122, 1366-1375.	0.1	3
139	Enhancing Security for Voltage Control of Distribution Systems Under Data Falsification Attacks. , 2019, , .		3
140	On Nonintrusive Monitoring of Electrical Appliance Load Via Restricted Boltzmann Machine with Temporal Reservoir. , 2020, , .		3
141	An Estimation Method of Load Model Parameters for Harmonic Analysis. IEEJ Transactions on Power and Energy, 2005, 125, 939-947.	0.1	3
142	Time Series Model of Wind Power Forecasting Error by using Beta Distribution for Optimal Sizing of Battery Storage. IEEJ Transactions on Power and Energy, 2019, 139, 212-224.	0.1	3
143	Optimal Grid Voltage Control in Distribution Feeder Connected with PV systems. , 2006, , .		2
144	Service restoration method considering simultaneous disconnection of distributed generators by one-bank fault of distribution system. Electronics and Communications in Japan, 2008, 91, 44-55.	0.3	2

#	Article	IF	Citations
145	Determination of loss-minimum configuration with mathematical optimality in a three-sectionalized three connected distribution feeder network. Electrical Engineering in Japan (English Translation of) Tj ETQq1 1 0.784314 rgBT /Overlock	0.4	2
146	Parameter Estimation of Dynamic Load Model in Power System by using Measured Data. Journal of International Council on Electrical Engineering, 2011, 1, 200-206.	0.4	2
147	Determination method for lossâ€minimum configuration considering reconnection of distributed generators. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2011, 176, 7-14.	0.2	2
148	Multiobjective optimization method for distribution system configuration using Pareto optimal solution. Electronics and Communications in Japan, 2011, 94, 7-16.	0.3	2
149	Improvement of Power Quality in Distribution System by Cooperative Control of Power Conditioner Systems. Journal of International Council on Electrical Engineering, 2012, 2, 72-78.	0.4	2
150	Restraint method of voltage total harmonic distortion in distribution network by power conditioner systems using measured data from IT switches. Electrical Engineering in Japan (English Translation of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf		2
151	Method for determining line drop compensator parameters of low voltage regulator using support vector machine. , 2014, , .		2
152	Japanese Energy Management in Smart Grid after the Great East Japan Earthquake. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2014, 189, 20-25.	0.2	2
153	Distribution automation system for service restoration involving simultaneous disconnection and reconnection of distributed generators. , 2015, , .		2
154	Coordinated voltage control of load tap changers in distribution networks with photovoltaic system. , 2016, , .		2
155	Capacity determination of a battery energy storage system based on the control performance of load leveling and voltage control. Journal of International Council on Electrical Engineering, 2016, 6, 94-101.	0.4	2
156	Hierarchical BESS management for electric power self-supply ratio improvement and power flow reduction in residential town. , 2018, , .		2
157	Doubleâ€layer optimization of home energy management systems with voltâ€“watt functions. IEEJ Transactions on Electrical and Electronic Engineering, 2019, 14, 705-715.	0.8	2
158	Analysis of operation plans of residential PEFCâ€“CGS: a perspective of cost optimality under demand uncertainty. Journal of International Council on Electrical Engineering, 2019, 9, 105-112.	0.4	2
159	Scheduling method of wind power generation for electricity market using state-of-charge transition and forecast error. Journal of International Council on Electrical Engineering, 2019, 9, 123-132.	0.4	2
160	Decentralized Charging Control of Battery Energy Storage Systems for Distribution System Asset Management. , 2019, , .		2
161	Advanced voltage control based on short-time ahead voltage fluctuation estimation in distribution system. Electric Power Systems Research, 2020, 188, 106559.	2.1	2
162	Semicentralized voltage control method using SVR based on past voltage measurements in distribution network. IEEJ Transactions on Electrical and Electronic Engineering, 2020, 15, 1032-1039.	0.8	2

#	Article	IF	Citations
163	Operation Method and Generator Capacity Determination Method using Battery Energy Storage System of Off-grid System based on Renewable Energy in Remote Island. IEEJ Transactions on Power and Energy, 2021, 141, 406-414.	0.1	2
164	é€£ç³»å•èƒ½½æœ€å§å‡ºåŠ›ã®è¦³ç‚¹ã•ã‚‰è¦³ç³»çµ±ã«é€£ç³»ã•ã‚Œã‚‹é¢¨åŠ›ç™ºé›»ã‚·ã‚¹ãƒ†ãƒ ã®è©•ä¾¡æ‰‹æ³•	0.1	2
165	Japanese Trend of Advanced Smart Grid Technology for Harmonization of Renewable Energy Resources and Power Systems. IEEJ Transactions on Power and Energy, 2010, 130, 928-931.	0.1	2
166	Coordinated BESS and LRT Control for Voltage Stabilization of a PV-Supplied Microgrid. IEEJ Transactions on Power and Energy, 2014, 134, 875-884.	0.1	2
167	Prevention of Output Suppression through Heat Pump Water Heaters for High-penetration Residential PV Systems for Long-term Operation. IEEJ Transactions on Power and Energy, 2015, 135, 423-436.	0.1	2
168	Partitioning Method for the Large-scale Operation Planning Problem of a District Heating and Cooling System for Electricity Adjustment. IEEJ Transactions on Power and Energy, 2020, 140, 94-103.	0.1	2
169	Residential Battery Storage System Sizing for the Medically Vulnerable from the Life Continuity Planning Perspective: Toward Economic Operation Using Uncertain Photovoltaic Output. IEEJ Transactions on Electrical and Electronic Engineering, 2022, 17, 833-846.	0.8	2
170	Integrated method of determining transmission and distribution loss-minimum network configurations. IEEJ Transactions on Electrical and Electronic Engineering, 2006, 1, 216-225.	0.8	1
171	Application of improved PSO to power flow control by TCSC for maximum acceptance of requested wheeled power. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2006, 155, 17-26.	0.2	1
172	Determination of optimal sending voltage profile in distribution systems with distributed generators. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2007, 161, 16-24.	0.2	1
173	Experimental study on the Unified Power Flow Controller. Electrical Engineering in Japan (English) Tj ETQq1 1 0.784314 rgBT /Overloc	0.2	1
174	Computation of locational and hourly maximum output of a distributed generator connected to a distribution feeder. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2009, 167, 38-47.	0.2	1
175	Evaluation of generation efficiency and voltage deviation in residentail clustered PV voltage control. , 2011, , .		1
176	Automatic extraction of basic electricity consumption patterns in household. , 2012, , .		1
177	Online optimal power flow based on HPSO-TVAC coordinates with centralized BESS and LRT control to stabilize voltage in a PV-supplied microgrid. , 2013, , .		1
178	Improvement of Three-Phase Unbalance Due to Connection of Dispersed Generator by Damper Windings of Synchronous Generator. Electrical Engineering in Japan (English Translation of Denki) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.2	
179	Power and hour capacity requirement for an energy storage from grid codes. , 2015, , .		1
180	Effectiveness of optimization updating the control parameters of advanced SVRs. Journal of International Council on Electrical Engineering, 2015, 5, 12-17.	0.4	1

#	Article	IF	Citations
181	OLTC and multiple SVRs in distribution system by using database. , 2015, , .		1
182	Reproducing Statistical Property of Short-term Fluctuation in Wind Power Profiles. Energy Procedia, 2016, 99, 130-136.	1.8	1
183	Experimental Demonstration of Smart Charging and Vehicle-to-Home Technologies for Plugin Electric Vehicles Coordinated with Home Energy Management Systems for Automated Demand Response. SAE International Journal of Passenger Cars - Electronic and Electrical Systems, 2016, 9, 286-293.	0.3	1
184	Development of prediction-based operation planning method for domestic air-conditioner with adaptive learning of installation environment. , 2017, , .		1
185	Energy disaggregation based on semi-supervised matrix factorization using feedback information from consumers. , 2017, , .		1
186	HEMS Operation with Utility Requirements for Rooftop Solar-Battery Systems. , 2018, , .		1
187	PROPOSAL OF RENOVATION TO ZERO ENERGY HOUSE (ZEH) FROM AN EXISTING INDUSTRIALIZED HOUSE. AIJ Journal of Technology and Design, 2019, 25, 239-242.	0.1	1
188	Evaluation and Visualization of kW / kWh Cost of a District Heating and Cooling System for Electricity Adjustment. , 2020, , .		1
189	Prioritization of Distribution Networks for Efficient Introduction of Loss Minimum Reconfiguration Technology. IEEJ Transactions on Power and Energy, 2021, 141, 127-135.	0.1	1
190	Predictive Voltage Control Scheme Based on Estimation of Shortâ€Timeâ€Ahead Voltage Fluctuation in Distribution System with PVs. IEEJ Transactions on Electrical and Electronic Engineering, 2021, 16, 916-924.	0.8	1
191	Development and Evaluation of a Fast Voltage Calculation Method for Low-Voltage Distribution System. IEEJ Transactions on Power and Energy, 2013, 133, 343-349.	0.1	1
192	Dealing with uncertainty in automated operational planning for residential fuel cell system: A comparative study of state-of-the-art approaches. Energy and Buildings, 2022, 255, 111614.	3.1	1
193	Distribution System Planning Evaluation Method Using Voronoi Diagram. IEEJ Transactions on Power and Energy, 2003, 123, 1124-1132.	0.1	1
194	Multi Objective Evaluation for Local Power System Configuration Based on Deterministic and Probabilistic Approaches. IEEJ Transactions on Power and Energy, 2003, 123, 1172-1179.	0.1	1
195	Network Access. Journal of the Institute of Electrical Engineers of Japan, 2007, 127, 89-93.	0.0	1
196	Congestion Management Approach Using TCSC. IEEJ Transactions on Power and Energy, 2007, 127, 1073-1079.	0.1	1
197	Dynamic Load Model using PSO-Based Parameter Estimation. IEEJ Transactions on Power and Energy, 2011, 131, 557-566.	0.1	1
198	A Study on Accuracy of Fault Locator in Distribution System with Distributed Generations. IEEJ Transactions on Power and Energy, 2013, 133, 515-522.	0.1	1

#	Article	IF	Citations
199	Future Smart Society and Electricity. Journal of the Institute of Electrical Engineers of Japan, 2013, 133, 787-787.	0.0	1
200	Robust Operation Planning Method for Integrated Solid Oxide Fuel Cells in a Collective Housing with Electric Power Interchange System Considering Uncertainty in Demand Forecast. IEEJ Transactions on Power and Energy, 2016, 136, 528-536.	0.1	1
201	Effectiveness of Improvement of Benefit of the Electric Power Selling Charges and Electricity Charges using Battery Storage System and Heat Pump Water Heater for High Penetration PV. IEEJ Transactions on Power and Energy, 2016, 136, 245-258.	0.1	1
202	Voltage Fluctuation Issue on Distribution System at Time of Demand Response and Cooperating Voltage Control Method between Battery Energy Storage System and SVR. IEEJ Transactions on Power and Energy, 2016, 136, 400-409.	0.1	1
203	Proposal and Evaluation of Determination Method for Multi-objective Dispatch of Frequency Control Generators Output to Compensate Renewable Energy Systems Fluctuation in Multi Area System Operation. IEEJ Transactions on Power and Energy, 2018, 138, 265-274.	0.1	1
204	Evaluation of Mutual Effect between Power and Traffic Aiming Electrified Urban Transportation System Using Integrated Light Rail Transit and Distribution System Model. IEEJ Transactions on Electronics, Information and Systems, 2020, 140, 892-904.	0.1	1
205	LDC-Control Parameters by Plane Determination Using Database Offline in Distribution Networks with PV System. International Journal of Electrical and Electronic Engineering and Telecommunications, 2020, , 80-87.	3.4	1
206	PRE-COOLING OPERATION AIMING FOR DEMAND RESPONSE ADAPTATION IN HOUSE. Journal of Environmental Engineering (Japan), 2020, 85, 215-224.	0.1	1
207	Basic Study on Cooperative Management Scheme of Electric Vehicle Charging for Reduction of Impact on Low-Voltage Distribution System. , 2020, , .		1
208	Evaluation of the Ability to Contribute to Local Production and Local Consumption of PV by Charging Schedule Optimization Considering Phased Electrification of Buses. IEEJ Transactions on Power and Energy, 2022, 142, 67-76.	0.1	1
209	Sensitivity analysis of factors relevant to extreme imbalance between procurement plans and actual demand: Case study of the Japanese electricity market. Applied Energy, 2022, 313, 118616.	5.1	1
210	Determination Method of Volt-var Curve Settings for Smart Inverters to Decrease SVR Tap Operations caused by PV Output Fluctuations and Minimize Distribution Losses. IEEJ Transactions on Power and Energy, 2021, 141, 763-772.	0.1	1
211	Assessing the Operational Potential of Pumped-Storage Hydro Generators for Supporting the Grid Integration of Wind Farms. , 2021, , .		1
212	Shortâ€Circuit Point Estimation Method Using Abnormal Detection Line of Distribution Line. IEEJ Transactions on Electrical and Electronic Engineering, 0, , .	0.8	1
213	Determination of newly installed feeder route considering use of existing feeder. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 1999, 129, 40-50.	0.2	0
214	Calculation of the loss-minimum configuration in the IEEJ local power system model. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2004, 146, 34-42.	0.2	0
215	Estimation of load model parameters for harmonic analysis. Electrical Engineering in Japan (English) Tj ETQq1 1 0.784314 rgBT /Overlo	0.2	0
216	Restraint method of voltage total harmonic distortion in distribution system by power conditioner systems using measured data from IT switches. , 2010, , .		0

#	Article	IF	Citations
217	A Basic Study of a Coordinated Control Method for Heat Pump Water Heaters and Electric Vehicle Battery Chargers in Residence with PV Systems. Journal of International Council on Electrical Engineering, 2011, 1, 97-103.	0.4	0
218	Cooperative power quality control by photovoltaic systems. , 2011, , .		0
219	Verification of Reduction Effect on Output Suppression through Storage Battery in Residential Area with Clustered PV Systems. Journal of International Council on Electrical Engineering, 2012, 2, 377-383.	0.4	0
220	Experimental Analysis on Influences of Harmonic Voltage at High-Voltage Network on Harmonic Current at Medium-Voltage Network. Journal of International Council on Electrical Engineering, 2012, 2, 146-152.	0.4	0
221	Verification of effect of damper windings on the transient condition of synchronous generator. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2012, 180, 33-42.	0.2	0
222	Evaluating the ability of hydroelectric power generation for controlling frequency with a large introduction of wind power generation. , 2013, , .		0
223	Verification of loss reduction effect on loss minimum configuration of distribution system by zero-suppressed binary decision diagram for large penetration of residential PV. , 2013, , .		0
224	Verification of efficiency of searching methods determining optimal control parameters of advanced SVRs. , 2014, , .		0
225	Experiment with an OPF controller based on HPSO-TVAC for a PV-supplied microgrid with BESS. , 2014, , .		0
226	Evaluation of Improvement Effect of Voltage Quality by Reactive Power Control with Available Capacity of Residential FC Inverter. Journal of International Council on Electrical Engineering, 2014, 4, 108-113.	0.4	0
227	Dynamic voltage control method and optimization for LVR in distribution system with PV systems. , 2014, , .		0
228	Islanding operation methods integrated with multiple power supplies and HEMS. , 2015, , .		0
229	Study on business continuity capability by cooperative operation of photovotaic and battery energy storage system. , 2015, , .		0
230	Determination of the most suitable voltage control method depending on photovoltaic installation rate. , 2015, , .		0
231	Method for enumerating feasible LDC parameters for OLTC and SVR in distribution networks. , 2016, , .		0
232	Deployment of low-voltage regulator considering existing voltage control in medium-voltage distribution systems. Journal of International Council on Electrical Engineering, 2016, 6, 252-260.	0.4	0
233	Basic study on dynamic reactive-power control method with PV output prediction for solar inverter. Journal of International Council on Electrical Engineering, 2016, 6, 26-30.	0.4	0
234	Optimal coordination of voltage controllable devices in distribution systems using power-based models and quadratic programming. IEEJ Transactions on Electrical and Electronic Engineering, 2017, 12, S54-S64.	0.8	0

#	Article	IF	Citations
235	Prevention of Output Suppression through Heat Pump Water Heaters for Highâ€Penetration Residential PV Systems for Longâ€Term Operation. Electrical Engineering in Japan (English Translation of Denki) Tj ETQq1 1 0.784314 rgBT /Over		
236	Method for determining voltage control parameters of low-voltage regulator using forecast interval of photovoltaic output. , 2017, , .		0
237	Basic study on application of real-time satellite-observed solar radiation data for centralized voltage control in distribution networks with PVs. , 2017, , .		0
238	Configuration of Large-Scale Battery System with Volt-VAR function in Distribution Network with Advanced Load Tap Changer Control. , 2018, , .		0
239	Optimal Responses of Home Energy Management Systems to Aggregator and Utility Requirements. , 2018, , .		0
240	Proposal and Evaluation of an Equipment Operating Method Using Solar Radiation Prediction in a Zero Energy House. E3S Web of Conferences, 2019, 111, 05003.	0.2	0
241	Evaluation of Dynamic Var Support from PV Systems under Uncertain Weather Conditions. , 2019, , .		0
242	Multiple Scenario-based Model Predictive Control with Decision Time Limit Determination of Scenario Selection. , 2019, , .		0
243	Toward Data-Driven Identification of Essential Factors Causing Seasonal Change in Daily Electricity Demand Curves. , 2019, , .		0
244	Graphical Modeling for Analysis of Hourly Electricity Demand and Market Price. , 2020, , .		0
245	Stability Evaluation of a Multi-objective Dispatch of Frequency Control Generators in Cross-Regional Operation under Various Conditions. , 2020, , .		0
246	Experimental Study on the Unified Power Flow Controller. IEEJ Transactions on Power and Energy, 2006, 126, 605-610.	0.1	0
247	Smart Grid Trend in Japan. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of) Tj ETQq1 1 0.784314 rgBT /Overl	0.1	0
248	Verification of Effect of Damper Windings on the Transient Condition of Synchronous Generator. IEEJ Transactions on Power and Energy, 2011, 131, 447-454.	0.1	0
249	Improvement of Three-phase Unbalance due to Connection of Dispersed Generator by Damper Windings of Synchronous Generator. IEEJ Transactions on Power and Energy, 2011, 131, 724-729.	0.1	0
250	Preface to Special Issue on Power System Technologies to Realize Smart Grid. IEEJ Transactions on Power and Energy, 2013, 133, 297-297.	0.1	0
251	Challenge and Vision of Japanese Smart Grid. Journal of the Society of Mechanical Engineers, 2013, 116, 224-227.	0.0	0
252	Evaluation of CO2 Reduction and Primary Energy Savings for Collective Housing with Fuel Cells Considering Variability in Demand. Journal of Energy and Power Engineering, 2014, 8, .	0.2	0

#	Article	IF	Citations
253	Development of Control Technologies for Wind Power Fluctuation with Energy Storage Systems. Journal of the Institute of Electrical Engineers of Japan, 2018, 138, 738-741.	0.0	0
254	Enhanced Technologies for PV Output Control Method. Journal of the Institute of Electrical Engineers of Japan, 2018, 138, 803-806.	0.0	0
255	Operation of Voltage Reactive Power Control Devices based on Cooperation between Two-Voltage Class Transmission Network with PV Systems to Reduce Power Loss. IEEJ Transactions on Power and Energy, 2020, 140, 484-494.	0.1	0
256	OPERATIONAL STRATEGIES FOR SELF-CONSUMPTION CONSIDERING THE USE OF AN ELECTRIC VEHICLE IN A NET ZERO ENERGY HOUSE. Journal of Environmental Engineering (Japan), 2020, 85, 277-287.	0.1	0
257	Cyber Security for Voltage Control of Distribution Systems Under Data Falsification Attacks. Power Electronics and Power Systems, 2020, , 145-165.	0.6	0
258	Impact of Smart Meter Measurement Granularity on Control Parameters of OLTC in Distribution Networks with PV. , 2022, , .		0