

Yong Tae Yoon

List of Publications by Year in descending order

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52
papers

444
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759233

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53
all docs

53
docs citations

53
times ranked

525
citing authors

#	ARTICLE	IF	CITATIONS
1	A Reliability-Centered Approach to an Optimal Maintenance Strategy in Transmission Systems Using a Genetic Algorithm. IEEE Transactions on Power Delivery, 2011, 26, 2171-2179.	4.3	79
2	Determining the Optimal Reserve Capacity in a Microgrid With Islanded Operation. IEEE Transactions on Power Systems, 2016, 31, 1369-1376.	6.5	32
3	A Comparison of Microgrid Topologies Considering Both Market Operations and Reliability. Electric Power Components and Systems, 2014, 42, 585-594.	1.8	28
4	Evaluation of available transfer capability using fuzzy multi-objective contingency-constrained optimal power flow. Electric Power Systems Research, 2008, 78, 873-882.	3.6	22
5	Option Valuation Applied to Implementing Demand Response via Critical Peak Pricing. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	20
6	Determining Equipment Capacity of Electric Vehicle Charging Station Operator for Profit Maximization. Energies, 2018, 11, 2301.	3.1	20
7	A Comprehensive Review of Practical Issues for Interoperability Using the Common Information Model in Smart Grids. Energies, 2020, 13, 1435.	3.1	17
8	Optimal Operating Schedule for Energy Storage System: Focusing on Efficient Energy Management for Microgrid. Processes, 2019, 7, 80.	2.8	14
9	Optimal scheduling and operation of battery/wind generation system in response to real-time market prices. IEEE Transactions on Electrical and Electronic Engineering, 2014, 9, 129-135.	1.4	13
10	How to find a reasonable energy transition strategy in Korea?: Quantitative analysis based on power market simulation. Energy Policy, 2018, 119, 396-409.	8.8	13
11	An Efficient Micro Grid Optimization Theory. Mathematics, 2020, 8, 560.	2.2	13
12	Designing a Profit-Maximizing Critical Peak Pricing Scheme Considering the Payback Phenomenon. Energies, 2015, 8, 11363-11379.	3.1	12
13	An Economic Analysis of Load Leveling with Battery Energy Storage Systems (BESS) in an Electricity Market Environment: The Korean Case. Energies, 2019, 12, 1608.	3.1	11
14	Nonlinear adaptive decentralized stabilization control for multimachine power systems. International Journal of Control, Automation and Systems, 2009, 7, 389-397.	2.7	10
15	Development of reliability based Demand response program in Korea. , 2011, , .		10
16	Optimal Coordinated Management of a Plug-In Electric Vehicle Charging Station under a Flexible Penalty Contract for Voltage Security. Energies, 2016, 9, 538.	3.1	9
17	Impact of Battery Energy Storage System Operation Strategy on Power System: An Urban Railway Load Case under a Time-of-Use Tariff. Energies, 2017, 10, 68.	3.1	9
18	Time-varying failure rate extraction in electric power distribution equipment. , 2006, , .		8

#	ARTICLE	IF	CITATIONS
19	Prequalification Scheme of a Distribution System Operator for Supporting Wholesale Market Participation of a Distributed Energy Resource Aggregator. IEEE Access, 2021, 9, 80434-80450.	4.2	8
20	Designing Rule for Price-Based Operation With Reliability Enhancement by Reducing the Frequency Deviation. IEEE Transactions on Power Systems, 2013, 28, 4365-4372.	6.5	7
21	Key Features of Electric Vehicle Diffusion and Its Impact on the Korean Power Market. Sustainability, 2018, 10, 1941.	3.2	7
22	Optimal Operation of Critical Peak Pricing for an Energy Retailer Considering Balancing Costs. Energies, 2019, 12, 4658.	3.1	7
23	Operation Planning of Reserve in Microgrid Considering Market Participation and Energy Storage System. Journal of Electrical Engineering and Technology, 2014, 9, 1089-1095.	2.0	6
24	Reliability-centered maintenance model to managing power distribution system equipment. , 2006, , .		5
25	Enhancing price-responsiveness of end-use customers' loads: dynamically administered critical peak pricing. European Transactions on Electrical Power, 2009, 19, 113-126.	1.0	5
26	Northeast Asia interconnection and virtual power system simulator design. , 2011, , .		5
27	Cluster design compatible with market for effective reactive power management. , 2006, , .		4
28	Determination of Available Transfer Capability Using Continuation Power Flow with Fuzzy Set Theory. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	4
29	REX10 nuclear unit and interconnection of island areas with KEPCO power system. , 2008, , .		4
30	Total transfer capability calculation taking into consideration system uncertainties. European Transactions on Electrical Power, 2009, 19, 72-88.	1.0	4
31	A Novel Approach of Battery Energy Storage for Improving Value of Wind Power in Deregulated Markets. International Journal of Emerging Electric Power Systems, 2013, 14, 255-264.	0.8	4
32	Implementation of peer-to-peer energy auction based on transaction zoning considering network constraints. Journal of International Council on Electrical Engineering, 2019, 9, 53-60.	0.4	4
33	Short-Term Operation Scheduling of a Microgrid under Variability Contracts to Preserve Grid Flexibility. Energies, 2019, 12, 3587.	3.1	4
34	Improved Feeder Flow Control Method for a Virtual Power Plant With Various Resources to Reduce Communication Dependency. IEEE Access, 2020, 8, 206820-206834.	4.2	3
35	Application of particle swarm optimization for an optimal maintenance strategy in transmission systems. , 2011, , .		2
36	Development of Northeast Asia Interconnected Power Grid and Algorithm Assuring Reliability. Journal of International Council on Electrical Engineering, 2011, 1, 33-38.	0.4	2

#	ARTICLE	IF	CITATIONS
37	South Korean power distribution system-based operation, market structure and regulation strategies under distributed generation and smart grid. , 2012, , .		2
38	Analysis of insulation coordination for dual motion mechanism gas circuit breaker. , 2015, , .		2
39	Decentralized Framework for Optimal Price-Based Power System Operation Using Feedback Control Mechanism. Energies, 2017, 10, 291.	3.1	2
40	Methods for Integrating Extraterrestrial Radiation into Neural Network Models for Day-Ahead PV Generation Forecasting. Energies, 2021, 14, 2601.	3.1	2
41	Business Feasibility Study for Storage-Based Customer Flexibility Platform of Load-Serving Entity. IEEE Access, 2021, 9, 83535-83550.	4.2	2
42	Robust prequalification process of a distribution system operator considering Nâ€™ contingency. IET Renewable Power Generation, 2022, 16, 2694-2710.	3.1	2
43	Reliability-based Incentive Mechanism for Demand Response in Electric Power Market. Journal of International Council on Electrical Engineering, 2011, 1, 377-383.	0.4	1
44	Market operation dynamic model and analysis on interconnected power systems. , 2011, , .		1
45	A novel method for solving the divergence of power flow and controlling voltage in integrated distributed generators network. , 2012, , .		1
46	Framework for determining the compensation price for output curtailment of distributed generation within active distribution network management. , 2015, , .		1
47	Reconfiguration for load balancing of feeder in distribution system including distributed generation. Journal of International Council on Electrical Engineering, 2016, 6, 166-170.	0.4	1
48	A Priority Index Method for Efficient Charging of PEVs in a Charging Station with Constrained Power Consumption. Journal of Electrical Engineering and Technology, 2016, 11, 820-828.	2.0	1
49	Managing power imbalance with cloud energy storage in imbalance band market environment. IET Generation, Transmission and Distribution, 2022, 16, 3522-3538.	2.5	1
50	Quantifying the effect of longâ€™ term contract offered to pivotal suppliers on mitigating market power. European Transactions on Electrical Power, 2008, 18, 518-531.	1.0	0
51	Analyzing the effect of electric power industry reforms in Korea. , 2008, , .		0
52	Pre-Arcing Time Prediction in a Making Test for a 420 kV 63 kA High-Speed Earthing Switch. Energies, 2017, 10, 1584.	3.1	0