

# Yong Tae Yoon

## List of Publications by Year in descending order

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52  
papers

444  
citations

759233

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h-index

794594

19  
g-index

53  
all docs

53  
docs citations

53  
times ranked

525  
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust prequalification process of a distribution system operator considering N&E1 contingency. IET Renewable Power Generation, 2022, 16, 2694-2710.	3.1	2
2	Managing power imbalance with cloud energy storage in imbalance band market environment. IET Generation, Transmission and Distribution, 2022, 16, 3522-3538.	2.5	1
3	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
4	Methods for Integrating Extraterrestrial Radiation into Neural Network Models for Day-Ahead PV Generation Forecasting. Energies, 2021, 14, 2601.	3.1	2
5	Business Feasibility Study for Storage-Based Customer Flexibility Platform of Load-Serving Entity. IEEE Access, 2021, 9, 83535-83550.	4.2	2
6	A Comprehensive Review of Practical Issues for Interoperability Using the Common Information Model in Smart Grids. Energies, 2020, 13, 1435.	3.1	17
7	An Efficient Micro Grid Optimization Theory. Mathematics, 2020, 8, 560.	2.2	13
8	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
9	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
10	Short-Term Operation Scheduling of a Microgrid under Variability Contracts to Preserve Grid Flexibility. Energies, 2019, 12, 3587.	3.1	4
11	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
12	Optimal Operating Schedule for Energy Storage System: Focusing on Efficient Energy Management for Microgrid. Processes, 2019, 7, 80.	2.8	14
13	Optimal Operation of Critical Peak Pricing for an Energy Retailer Considering Balancing Costs. Energies, 2019, 12, 4658.	3.1	7
14	Determining Equipment Capacity of Electric Vehicle Charging Station Operator for Profit Maximization. Energies, 2018, 11, 2301.	3.1	20
15	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
16	Key Features of Electric Vehicle Diffusion and Its Impact on the Korean Power Market. Sustainability, 2018, 10, 1941.	3.2	7
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	Decentralized Framework for Optimal Price-Based Power System Operation Using Feedback Control Mechanism. Energies, 2017, 10, 291.	3.1	2

#	ARTICLE	IF	CITATIONS
19	Pre-Arcing Time Prediction in a Making Test for a 420 kV 63 kA High-Speed Earthing Switch. <i>Energies</i> , 2017, 10, 1584.	3.1	0
20	Optimal Coordinated Management of a Plug-In Electric Vehicle Charging Station under a Flexible Penalty Contract for Voltage Security. <i>Energies</i> , 2016, 9, 538.	3.1	9
21	Reconfiguration for load balancing of feeder in distribution system including distributed generation. <i>Journal of International Council on Electrical Engineering</i> , 2016, 6, 166-170.	0.4	1
22	Determining the Optimal Reserve Capacity in a Microgrid With Islanded Operation. <i>IEEE Transactions on Power Systems</i> , 2016, 31, 1369-1376.	6.5	32
23	A Priority Index Method for Efficient Charging of PEVs in a Charging Station with Constrained Power Consumption. <i>Journal of Electrical Engineering and Technology</i> , 2016, 11, 820-828.	2.0	1
24	Designing a Profit-Maximizing Critical Peak Pricing Scheme Considering the Payback Phenomenon. <i>Energies</i> , 2015, 8, 11363-11379.	3.1	12
25	Framework for determining the compensation price for output curtailment of distributed generation within active distribution network management. , 2015, , .		1
26	Analysis of insulation coordination for dual motion mechanism gas circuit breaker. , 2015, , .		2
27	A Comparison of Microgrid Topologies Considering Both Market Operations and Reliability. <i>Electric Power Components and Systems</i> , 2014, 42, 585-594.	1.8	28
28	Optimal scheduling and operation of battery/wind generation system in response to real-time market prices. <i>IEEJ Transactions on Electrical and Electronic Engineering</i> , 2014, 9, 129-135.	1.4	13
29	Operation Planning of Reserve in Microgrid Considering Market Participation and Energy Storage System. <i>Journal of Electrical Engineering and Technology</i> , 2014, 9, 1089-1095.	2.0	6
30	Designing Rule for Price-Based Operation With Reliability Enhancement by Reducing the Frequency Deviation. <i>IEEE Transactions on Power Systems</i> , 2013, 28, 4365-4372.	6.5	7
31	A Novel Approach of Battery Energy Storage for Improving Value of Wind Power in Deregulated Markets. <i>International Journal of Emerging Electric Power Systems</i> , 2013, 14, 255-264.	0.8	4
32	South Korean power distribution system-based operation, market structure and regulation strategies under distributed generation and smart grid. , 2012, , .		2
33	A novel method for solving the divergence of power flow and controlling voltage in integrated distributed generators network. , 2012, , .		1
34	Reliability-based Incentive Mechanism for Demand Response in Electric Power Market. <i>Journal of International Council on Electrical Engineering</i> , 2011, 1, 377-383.	0.4	1
35	Market operation dynamic model and analysis on interconnected power systems. , 2011, , .		1
36	Northeast Asia interconnection and virtual power system simulator design. , 2011, , .		5

#	ARTICLE	IF	CITATIONS
37	Development of reliability based Demand response program in Korea. , 2011, , .		10
38	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
39	Application of particle swarm optimization for an optimal maintenance strategy in transmission systems. , 2011, , .		2
40	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
41	Total transfer capability calculation taking into consideration system uncertainties. European Transactions on Electrical Power, 2009, 19, 72-88.	1.0	4
42	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
43	Nonlinear adaptive decentralized stabilization control for multimachine power systems. International Journal of Control, Automation and Systems, 2009, 7, 389-397.	2.7	10
44	Quantifying the effect of long-term contract offered to pivotal suppliers on mitigating market power. European Transactions on Electrical Power, 2008, 18, 518-531.	1.0	0
45	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
46	Analyzing the effect of electric power industry reforms in Korea. , 2008, , .		0
47	REX10 nuclear unit and interconnection of island areas with KEPCO power system. , 2008, , .		4
48	Determination of Available Transfer Capability Using Continuation Power Flow with Fuzzy Set Theory. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	4
49	Option Valuation Applied to Implementing Demand Response via Critical Peak Pricing. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	20
50	Cluster design compatible with market for effective reactive power management. , 2006, , .		4
51	Time-varying failure rate extraction in electric power distribution equipment. , 2006, , .		8
52	Reliability-centered maintenance model to managing power distribution system equipment. , 2006, , .		5