

# Yunhui Huang

## List of Publications by Year in descending order

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18  
papers

1,006  
citations

1040056

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1125743

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18  
docs citations

18  
times ranked

892  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling of VSC Connected to Weak Grid for Stability Analysis of DC-Link Voltage Control. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2015, 3, 1193-1204.	5.4	266
2	Modeling of Grid-Connected DFIG-Based Wind Turbines for DC-Link Voltage Stability Analysis. IEEE Transactions on Sustainable Energy, 2015, 6, 1325-1336.	8.8	193
3	DC-Bus Voltage Control Stability Affected by AC-Bus Voltage Control in VSCs Connected to Weak AC Grids. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2016, 4, 445-458.	5.4	149
4	Ethanol Electro-Oxidation on Ternary Platinum–Rhodium–Tin Nanocatalysts: Insights in the Atomic 3D Structure of the Active Catalytic Phase. ACS Catalysis, 2014, 4, 1859-1867.	11.2	102
5	Stability of DC-link voltage as affected by phase locked loop in VSC when attached to weak grid. , 2014, , .		61
6	Modeling and Stability Analysis of VSC Internal Voltage in DC-Link Voltage Control Timescale. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 16-28.	5.4	54
7	Modeling and Stability Analysis of DC-Link Voltage Control in Multi-VSCs With Integrated to Weak Grid. IEEE Transactions on Energy Conversion, 2017, 32, 1127-1138.	5.2	51
8	Effect of Control-Loops Interactions on Power Stability Limits of VSC Integrated to AC System. IEEE Transactions on Power Delivery, 2018, 33, 301-310.	4.3	51
9	Impacts of Phase-Locked Loop Dynamic on the Stability of DC-Link Voltage Control in Voltage Source Converter Integrated to Weak Grid. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2022, 12, 48-58.	3.6	21
10	Design and implementation of distributed control system for cascaded H-Bridge multilevel STATCOM. , 2011, , .		14
11	Effect of reactive power control on stability of DC-link voltage control in VSC connected to weak grid. , 2014, , .		11
12	Optimal configuration of battery energy storage systems using for rooftop residential photovoltaic to improve voltage profile of distributed network. Journal of Engineering, 2019, 2019, 728-732.	1.1	10
13	Stability of DC-link voltage affected by phase-locked loop for DFIG-based wind turbine connected to a weak AC system. , 2014, , .		8
14	Optimal configuration of energy storage system based on frequency hierarchical control in ship power system with solar photovoltaic plant. Journal of Engineering, 2017, 2017, 1511-1514.	1.1	6
15	Modeling and Stability Analysis of Weak-Grid Tied Multi-DFIGs in DC-Link Voltage Control Timescale. Energies, 2020, 13, 3689.	3.1	4
16	Grid-Synchronization Stability Analysis for Multi DFIGs Connected in Parallel to Weak AC Grids. Energies, 2019, 12, 4361.	3.1	3
17	Analysis of Synchronization Stability for Multi VSCs Parallel-Connected to Weak Grids by Improved Net Damping Criterion. Energies, 2020, 13, 3316.	3.1	2
18	Synchronization Control Stability Analysis of Power Converters with High Renewable Energy Penetration. , 2019, , .		0