

# Jun Hashimoto

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

317  
citations

1040056

9  
h-index

996975

15  
g-index

21  
all docs

21  
docs citations

21  
times ranked

279  
citing authors

#	ARTICLE	IF	CITATIONS
1	Internal Induced Voltage Modification for Current Limitation in Virtual Synchronous Machine. Energies, 2022, 15, 901.	3.1	4
2	Flywheel energy storage system based microgrid controller design and PHIL testing. Energy Reports, 2022, 8, 470-475.	5.1	6
3	Advanced Grid Integration Test Platform for Increased Distributed Renewable Energy Penetration in Smart Grids. IEEE Access, 2021, 9, 34040-34053.	4.2	41
4	Characteristic Analysis and Indexing of Multimachine Transient Stabilization Using Virtual Synchronous Generator Control. Energies, 2021, 14, 366.	3.1	5
5	Contribution of Voltage Support Function to Virtual Inertia Control Performance of Inverter-Based Resource in Frequency Stability. Energies, 2021, 14, 4220.	3.1	15
6	Aggregation of Radial Distribution System Bus with Volt-Var Control. Energies, 2021, 14, 5390.	3.1	1
7	Analysis of Center of Inertial Frequency in a Power Grid that Includes Distributed Energy Resources Connected via Smart Inverters. , 2021, , .		0
8	Power Hardware in-the-Loop Testing to Analyze Fault Behavior of Smart Inverters in Distribution Networks. Sustainability, 2020, 12, 9365.	3.2	12
9	Advanced Laboratory Testing Methods Using Real-Time Simulation and Hardware-in-the-Loop Techniques: A Survey of Smart Grid International Research Facility Network Activities. Energies, 2020, 13, 3267.	3.1	47
10	Microgrid Controller Testing Using Power Hardware-in-the-Loop. Energies, 2020, 13, 2044.	3.1	18
11	Developing Power Hardware-in-the-Loop Based Testing Environment for Volt-Var and Frequency-Watt Functions of 500 kW Photovoltaic Smart Inverter. IEEE Access, 2020, 8, 224135-224144.	4.2	13
12	Determination method of Volt-Var and Volt-Watt curve for smart inverters applying optimization of active/reactive power allocation for each inverter. Electrical Engineering in Japan (English) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 297 Td (		
13	Performance analysis of PV panels based on different technologies after two years of outdoor exposure in Fukushima, Japan. Renewable Energy, 2019, 136, 159-178.	8.9	58
14	Integrated Power Hardware-in-the-Loop and Lab Testing for Microgrid Controller. , 2019, , .		3
15	Development of Frequency-watt Function Model of Smart Inverter by Power Flow Calculation with Frequency Fluctuation. IEEJ Transactions on Power and Energy, 2019, 139, 99-105.	0.2	4
16	Hardware-in-the-loop simulation based testing of power conditioning systems. , 2018, , .		10
17	International Development of a Distributed Energy Resource Test Platform for Electrical and Interoperability Certification. , 2018, , .		11
18	Smart Inverter Functionality Testing for Battery Energy Storage Systems. Smart Grid and Renewable Energy, 2017, 08, 337-350.	1.1	23

#	ARTICLE	IF	CITATIONS
19	Key parameters in determining energy generated by CPV modules. Progress in Photovoltaics: Research and Applications, 2015, 23, 1250-1259.	8.1	35
20	Performance and Characterization Results from Concentrator Photovoltaic Demonstration Field-test. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2015, 94, 1387-1392.	0.2	0