

David Campos-Gaona

List of Publications by Year in descending order

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papers

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46
all docs

46
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46
times ranked

573
citing authors

#	ARTICLE	IF	CITATIONS
1	A field trial of off-grid SHS Interconnection in Rwanda's Northern Province. Energy for Sustainable Development, 2022, 66, 69-78.	4.5	2
2	Nonunit Distance Protection Algorithm for Multiterminal MMC-HVdc Systems Using DC Capacitor Resonance Frequency. IEEE Transactions on Industrial Electronics, 2022, 69, 12924-12933.	7.9	5
3	Wind-Plus-Battery system optimisation for frequency response service: The UK perspective. Electric Power Systems Research, 2022, 211, 108400.	3.6	5
4	An Approximated Analytical Model for Pole-to-Ground Faults in Symmetrical Monopole MMC-HVDC Systems. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 7009-7017.	5.4	2
5	Sizing and Coordination Strategies of Battery Energy Storage System Co-Located with Wind Farm: The UK Perspective. Energies, 2021, 14, 1439.	3.1	9
6	Modelling Stability Improvement In Kazakhstan's Power System By Using Battery Energy Storage. , 2021, , .		0
7	Turbine layout optimisation for large-scale offshore wind farms: A grid-based method. IET Renewable Power Generation, 2021, 15, 3806-3822.	3.1	2
8	Control-based fault current limiter for modular multilevel voltage-source converters. International Journal of Electrical Power and Energy Systems, 2020, 118, 105750.	5.5	17
9	Short-Circuit Analytical Model for Modular Multilevel Converters Considering DC Cable Capacitance. IEEE Access, 2020, 8, 202774-202784.	4.2	1
10	Assessment of Multi-Use Offshore Platforms: Structure Classification and Design Challenges. Sustainability, 2020, 12, 1860.	3.2	19
11	Novel Control Approach for a Hybrid Grid-Forming HVDC Offshore Transmission System. Energies, 2020, 13, 1681.	3.1	6
12	Dynamic Wind Power Plant Control for System Integration Using the Generator Response Following Concept. Energies, 2020, 13, 1804.	3.1	7
13	Distance protection algorithm for multiterminal HVDC systems using the Hilbert-Huang transform. IET Generation, Transmission and Distribution, 2020, 14, 3022-3032.	2.5	17
14	Comparison of electrical collection topologies for multi-rotor wind turbines. Wind Energy Science, 2020, 5, 1237-1252.	3.3	4
15	Bottom-Up Electrification Introducing New Smart Grids Architecture Concept Based on Feasibility Studies Conducted in Rwanda. Energies, 2019, 12, 2439.	3.1	15
16	THD Reduction in Distributed Renewables Energy Access through Wind Energy Conversion System Integration under Wind Speed Conditions in Tamaulipas, Mexico. Energies, 2019, 12, 3550.	3.1	4
17	Assessing the Impact of DFIG Synthetic Inertia Provision on Power System Small-Signal Stability. Energies, 2019, 12, 3440.	3.1	4
18	Robust Active Damping in LCL-Filter-Based Medium-Voltage Parallel Grid Inverters for Wind Turbines. IEEE Transactions on Power Electronics, 2018, 33, 10846-10857.	7.9	24

#	ARTICLE	IF	CITATIONS
19	Mathematical Modelling of Reduced Order Induction Machines for VFT Applications. , 2018, , .		0
20	THD Reduction in Wind Energy System Using Type-4 Wind Turbine/PMSG Applying the Active Front-End Converter Parallel Operation. Energies, 2018, 11, 2458.	3.1	14
21	Techno-Economic Analysis of Energy Storage System for Wind Farms: The UK Perspective. , 2018, , .		1
22	Voltage control ancillary services for low voltage distributed generation. International Journal of Smart Grid and Clean Energy, 2018, 7, 98-108.	0.4	1
23	Fast Selective Harmonic Mitigation in Multifunctional Inverters Using Internal Model Controllers and Synchronous Reference Frames. IEEE Transactions on Industrial Electronics, 2017, 64, 6338-6349.	7.9	31
24	DC-Link Control Filtering Options for Torque Ripple Reduction in Low-Power Wind Turbines. IEEE Transactions on Power Electronics, 2017, 32, 4812-4826.	7.9	43
25	Modeling of photovoltaic grid connected generation system based on three level NPC converter. , 2017, , .		2
26	An Active Power Filter Based on a Three-Level Inverter and 3D-SVPWM for Selective Harmonic and Reactive Compensation. Energies, 2017, 10, 297.	3.1	12
27	Control design of a neutral point clamped converter based active power filter for the selective harmonic compensation. , 2016, , .		0
28	MPPT and control design of a Vienna rectifier-based low power wind turbine with reduced number of sensors. , 2016, , .		5
29	Modeling and control design of a Vienna rectifier based electrolyzer. , 2016, , .		11
30	Dynamic mitigation of grid current harmonics using the power sphere concept in voltage source inverters. , 2016, , .		2
31	Current-sensorless control of an SPWM H-Bridge-based PFC rectifier designed considering voltage sag condition. Electric Power Systems Research, 2016, 130, 181-191.	3.6	14
32	Nonminimum Phase Compensation in VSC-HVDC Systems for Fast Direct Voltage Control. IEEE Transactions on Power Delivery, 2015, 30, 2535-2543.	4.3	10
33	Control of flywheel energy storage systems as virtual synchronous machines for microgrids. , 2015, , .		10
34	A Novel Compensation Scheme Based on a Virtual Air Gap Variable Reactor for AC Voltage Control. IEEE Transactions on Industrial Electronics, 2014, 61, 6547-6555.	7.9	19
35	Offshore Wind Energy Systems. , 2014, , 1-14.		0
36	DSP implementation of a current control for a VSC. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
37	Fault Ride-Through Improvement of DFIG-WT by Integrating a Two-Degrees-of-Freedom Internal Model Control. IEEE Transactions on Industrial Electronics, 2013, 60, 1133-1145.	7.9	75