

Anca Daniela Hansen

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

3,126
citations

257357

24
h-index

197736

49
g-index

69
all docs

69
docs citations

69
times ranked

2260
citing authors

#	ARTICLE	IF	CITATIONS
1	Centralised power control of wind farm with doubly fed induction generators. <i>Renewable Energy</i> , 2006, 31, 935-951.	4.3	382
2	Frequency Control in Autonomous Power Systems With High Wind Power Penetration. <i>IEEE Transactions on Sustainable Energy</i> , 2012, 3, 189-199.	5.9	357
3	Fault ride-through capability of DFIG wind turbines. <i>Renewable Energy</i> , 2007, 32, 1594-1610.	4.3	269
4	Wind models for simulation of power fluctuations from wind farms. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2002, 90, 1381-1402.	1.7	212
5	Wind turbine concept market penetration over 10 years (1995-2004). <i>Wind Energy</i> , 2007, 10, 81-97.	1.9	173
6	Modelling and control of variable-speed multi-pole permanent magnet synchronous generator wind turbine. <i>Wind Energy</i> , 2008, 11, 537-554.	1.9	168
7	Review of Contemporary Wind Turbine Concepts and Their Market Penetration. <i>Wind Engineering</i> , 2004, 28, 247-263.	1.1	167
8	Multi-pole permanent magnet synchronous generator wind turbines' grid support capability in uninterrupted operation during grid faults. <i>IET Renewable Power Generation</i> , 2009, 3, 333.	1.7	163
9	Control of Variable Speed Wind Turbines with Doubly-Fed Induction Generators. <i>Wind Engineering</i> , 2004, 28, 411-432.	1.1	133
10	Co-ordinated voltage control of DFIG wind turbines in uninterrupted operation during grid faults. <i>Wind Energy</i> , 2007, 10, 51-68.	1.9	87
11	Dynamic Modelling of Wind Farm Grid Interaction. <i>Wind Engineering</i> , 2002, 26, 191-210.	1.1	68
12	Analysis of the short-term overproduction capability of variable speed wind turbines. <i>Renewable Energy</i> , 2014, 68, 326-336.	4.3	65
13	Power Oscillation Damping From VSC-HVDC Connected Offshore Wind Power Plants. <i>IEEE Transactions on Power Delivery</i> , 2016, 31, 829-838.	2.9	60
14	Demand-Side Contribution to Primary Frequency Control With Wind Farm Auxiliary Control. <i>IEEE Transactions on Power Systems</i> , 2014, 29, 2391-2399.	4.6	59
15	Technical impacts of high penetration levels of wind power on power system stability. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2017, 6, e216.	1.9	52
16	Robust multi-model control of an autonomous wind power system. <i>Wind Energy</i> , 2006, 9, 399-419.	1.9	47
17	Improved Load-Shedding Scheme Considering Distributed Generation. <i>IEEE Transactions on Power Delivery</i> , 2017, 32, 515-524.	2.9	39
18	Optimization of Short-Term Overproduction Response of Variable Speed Wind Turbines. <i>IEEE Transactions on Sustainable Energy</i> , 2018, 9, 1732-1739.	5.9	35

#	ARTICLE	IF	CITATIONS
19	Illustration of Modern Wind Turbine Ancillary Services. <i>Energies</i> , 2010, 3, 1290-1302.	1.6	32
20	Modelling and control of variable speed wind turbines for power system studies. <i>Wind Energy</i> , 2010, 13, 307-322.	1.9	28
21	Coordinated frequency control from offshore wind power plants connected to multi terminal DC system considering wind speed variation. <i>IET Renewable Power Generation</i> , 2017, 11, 1226-1236.	1.7	28
22	Generators and Power Electronics for Wind Turbines. , 2005, , 53-78.		27
23	Provision of enhanced ancillary services from wind power plants – Examples and challenges. <i>Renewable Energy</i> , 2016, 97, 8-18.	4.3	27
24	Power Quality Issues on Wind Power Installations in Denmark. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	26
25	Initialisation of Grid-Connected Wind Turbine Models in Power-System Simulations. <i>Wind Engineering</i> , 2003, 27, 21-38.	1.1	25
26	Virtual inertia for variable speed wind turbines. <i>Wind Energy</i> , 2013, 16, 1225-1239.	1.9	25
27	Simulation Model of an Active-Stall Fixed-Speed Wind Turbine Controller. <i>Wind Engineering</i> , 2004, 28, 177-195.	1.1	19
28	Impact of wind power in autonomous power systems – power fluctuations – modelling and control issues. <i>Wind Energy</i> , 2011, 14, 133-153.	1.9	18
29	Reactive Power Capability Model of Wind Power Plant Using Aggregated Wind Power Collection System. <i>Energies</i> , 2019, 12, 1607.	1.6	18
30	Real-time impact of power balancing on power system operation with large scale integration of wind power. <i>Journal of Modern Power Systems and Clean Energy</i> , 2017, 5, 202-210.	3.3	17
31	A new simulation platform to model, optimize and design wind turbines. , 0, , .		16
32	Reduced models of doubly fed induction generator system for wind turbine simulations. <i>Wind Energy</i> , 2006, 9, 299-311.	1.9	16
33	Grid support of a wind farm with active stall wind turbines and AC grid connection. <i>Wind Energy</i> , 2006, 9, 341-359.	1.9	16
34	Compensating active power imbalances in power system with large-scale wind power penetration. <i>Journal of Modern Power Systems and Clean Energy</i> , 2016, 4, 229-237.	3.3	15
35	Impact of Combined Demand-Response and Wind Power Plant Participation in Frequency Control for Multi-Area Power Systems. <i>Energies</i> , 2019, 12, 1687.	1.6	15
36	Wind power integration into the automatic generation control of power systems with large-scale wind power. <i>Journal of Engineering</i> , 2014, 2014, 538-545.	0.6	13

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37	Adequacy of frequency reserves for high wind power generation. IET Renewable Power Generation, 2017, 11, 1286-1294.	1.7	13
38	Dynamic security issues in autonomous power systems with increasing wind power penetration. Electric Power Systems Research, 2011, 81, 880-887.	2.1	12
39	Understanding IEC standard wind turbine models using SimPowerSystems. Wind Engineering, 2016, 40, 212-227.	1.1	12
40	Wind Turbine Technologies. , 2017, , 145-160.		11
41	Optimization of Synthetic Inertial Response from Wind Power Plants. Energies, 2018, 11, 1051.	1.6	11
42	Flexible Modern Power System: Real-Time Power Balancing through Load and Wind Power. Energies, 2019, 12, 1710.	1.6	11
43	European and Indian Grid Codes for Utility Scale Hybrid Power Plants. Energies, 2021, 14, 4335.	1.6	11
44	Analysis of a variable-speed wind energy conversion scheme with doubly-fed induction generator. International Journal of Electronics, 2003, 90, 779-794.	0.9	9
45	Grid integration impacts on wind turbine design and development. , 2009, , .		9
46	Impact of fault ride-through requirements on fixed-speed wind turbine structural loads. Wind Energy, 2011, 14, 1-11.	1.9	9
47	Generic models of wind turbine generators for advanced applications in a VSC-based offshore HVDC network. , 2012, , .		9
48	Influence of current limitation on voltage stability with Voltage Sourced Converter HVDC. , 2013, , .		9
49	Unbalanced voltage faults: the impact on structural loads of doubly fed asynchronous generator wind turbines. Wind Energy, 2014, 17, 1123-1135.	1.9	9
50	Multi-Voltage Level Active Distribution Network With Large Share of Weather-Dependent Generation. IEEE Transactions on Power Systems, 2022, 37, 4874-4884.	4.6	7
51	Comparative study of different implementations for induction machine model in Matlab/Simulink for wind turbine simulations. , 0, , .		6
52	Control of VSC-HVDC in offshore AC islands with wind power plants: Comparison of two alternatives. , 2015, , .		6
53	Modeling and Control of VSC Based DC Connection for Active Stall Wind Farms to Grid. IEEE Transactions on Industry Applications, 2006, 126, 622-629.	0.1	5
54	Primary reserve studies for high wind power penetrated systems. , 2015, , .		5

#	ARTICLE	IF	CITATIONS
55	Aggregated wind power plant models consisting of IEC wind turbine models. , 2015, , .		5
56	Coordinated control scheme for ancillary services from offshore wind power plants to AC and DC grids. , 2016, , .		5
57	Inertia Dependent Droop Based Frequency Containment Process. Energies, 2019, 12, 1648.	1.6	5
58	Improved frequency control from wind power plants considering wind speed variation. , 2016, , .		4
59	Invited Lectures. Wind Engineers JAWE, 2001, 2001, 9-72.	0.0	4
60	Advanced Induction Machine model in Phase Coordinates for Wind Turbine Application. , 2007, , .		3
61	Facing the challenges of distribution systems operation with high wind power penetration. , 2017, , .		3
62	Quantifying robustness of Type 4 wind power plant as reactive power source. International Journal of Electrical Power and Energy Systems, 2020, 122, 106181.	3.3	3
63	Grid Support Capabilities of Wind Turbines. Energy Systems, 2013, , 569-590.	0.5	3
64	Coordinated fast primary frequency control from offshore wind power plants in MTDC system. , 2016, , .		1
65	Improved load-shedding scheme considering distributed generation. , 2017, , .		0
66	Wind Power Plant System Services. , 2021, , 125-154.		0
67	Open-Source Active Distribution Grid Model with a large share of RES- features, and studies. , 2021, , .		0