

Anca Daniela Hansen

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

64

papers

2,281

citations

19

h-index

47

g-index

69

ext. papers

2,766

ext. citations

3.6

avg, IF

5.02

L-index

#	Paper	IF	Citations
64	Centralised power control of wind farm with doubly fed induction generators. <i>Renewable Energy</i> , 2006 , 31, 935-951	8.1	309
63	Frequency Control in Autonomous Power Systems With High Wind Power Penetration. <i>IEEE Transactions on Sustainable Energy</i> , 2012 , 3, 189-199	8.2	253
62	Fault ride-through capability of DFIG wind turbines. <i>Renewable Energy</i> , 2007 , 32, 1594-1610	8.1	211
61	Wind models for simulation of power fluctuations from wind farms. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2002 , 90, 1381-1402	3.7	170
60	Wind turbine concept market penetration over 10 years (1995-2004). <i>Wind Energy</i> , 2007 , 10, 81-97	3.4	141
59	Review of Contemporary Wind Turbine Concepts and Their Market Penetration. <i>Wind Engineering</i> , 2004 , 28, 247-263	1.2	127
58	Modelling and control of variable-speed multi-pole permanent magnet synchronous generator wind turbine. <i>Wind Energy</i> , 2008 , 11, 537-554	3.4	120
57	Multi-pole permanent magnet synchronous generator wind turbines Vgrid support capability in uninterrupted operation during grid faults. <i>IET Renewable Power Generation</i> , 2009 , 3, 333	2.9	114
56	Control of Variable Speed Wind Turbines with Doubly-Fed Induction Generators. <i>Wind Engineering</i> , 2004 , 28, 411-432	1.2	103
55	Co-ordinated voltage control of DFIG wind turbines in uninterrupted operation during grid faults. <i>Wind Energy</i> , 2007 , 10, 51-68	3.4	65
54	Dynamic Modelling of Wind Farm Grid Interaction. <i>Wind Engineering</i> , 2002 , 26, 191-210	1.2	49
53	Analysis of the short-term overproduction capability of variable speed wind turbines. <i>Renewable Energy</i> , 2014 , 68, 326-336	8.1	44
52	Demand-Side Contribution to Primary Frequency Control With Wind Farm Auxiliary Control. <i>IEEE Transactions on Power Systems</i> , 2014 , 29, 2391-2399	7	42
51	. <i>IEEE Transactions on Power Delivery</i> , 2016 , 31, 829-838	4.3	40
50	Technical impacts of high penetration levels of wind power on power system stability. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2017 , 6, e216	4.7	33
49	Robust multi-model control of an autonomous wind power system. <i>Wind Energy</i> , 2006 , 9, 399-419	3.4	33
48	Improved Load-Shedding Scheme Considering Distributed Generation. <i>IEEE Transactions on Power Delivery</i> , 2017 , 32, 515-524	4.3	27

47	Illustration of Modern Wind Turbine Ancillary Services. <i>Energies</i> , 2010 , 3, 1290-1302	3.1	27
46	Optimization of Short-Term Overproduction Response of Variable Speed Wind Turbines. <i>IEEE Transactions on Sustainable Energy</i> , 2018 , 9, 1732-1739	8.2	21
45	Modelling and control of variable speed wind turbines for power system studies. <i>Wind Energy</i> , 2010 , 13, 307-322	3.4	19
44	Power Quality Issues on Wind Power Installations in Denmark. <i>IEEE Power Engineering Society General Meeting</i> , 2007 ,		18
43	Provision of enhanced ancillary services from wind power plants [Examples and challenges]. <i>Renewable Energy</i> , 2016 , 97, 8-18	8.1	18
42	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	2.9	17
41	Initialisation of Grid-Connected Wind Turbine Models in Power-System Simulations. <i>Wind Engineering</i> , 2003 , 27, 21-38	1.2	17
40	Simulation Model of an Active-Stall Fixed-Speed Wind Turbine Controller. <i>Wind Engineering</i> , 2004 , 28, 177-195	1.2	17
39	Generators and Power Electronics for Wind Turbines 2005 , 53-78		14
38	Grid support of a wind farm with active stall wind turbines and AC grid connection. <i>Wind Energy</i> , 2006 , 9, 341-359	3.4	13
37	Impact of wind power in autonomous power systems-power fluctuations-modelling and control issues. <i>Wind Energy</i> , 2011 , 14, 133-153	3.4	12
36	Reduced models of doubly fed induction generator system for wind turbine simulations. <i>Wind Energy</i> , 2006 , 9, 299-311	3.4	12
35	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	0.7	11
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	4	10
33	Adequacy of frequency reserves for high wind power generation. <i>IET Renewable Power Generation</i> , 2017 , 11, 1286-1294	2.9	10
32	Dynamic security issues in autonomous power systems with increasing wind power penetration. <i>Electric Power Systems Research</i> , 2011 , 81, 880-887	3.5	10
31	Understanding IEC standard wind turbine models using SimPowerSystems. <i>Wind Engineering</i> , 2016 , 40, 212-227	1.2	10
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	4	9

29	Virtual inertia for variable speed wind turbines. <i>Wind Energy</i> , 2012 , n/a-n/a	3.4	9
28	A new simulation platform to model, optimize and design wind turbines		9
27	Impact of Combined Demand-Response and Wind Power Plant Participation in Frequency Control for Multi-Area Power Systems. <i>Energies</i> , 2019 , 12, 1687	3.1	8
26	Reactive Power Capability Model of Wind Power Plant Using Aggregated Wind Power Collection System. <i>Energies</i> , 2019 , 12, 1607	3.1	8
25	Unbalanced voltage faults: the impact on structural loads of doubly fed asynchronous generator wind turbines. <i>Wind Energy</i> , 2014 , 17, 1123-1135	3.4	8
24	Impact of fault ride-through requirements on fixed-speed wind turbine structural loads. <i>Wind Energy</i> , 2011 , 14, 1-11	3.4	8
23	Analysis of a variable-speed wind energy conversion scheme with doubly-fed induction generator. <i>International Journal of Electronics</i> , 2003 , 90, 779-794	1.2	8
22	Generic models of wind turbine generators for advanced applications in a VSC-based offshore HVDC network 2012 ,		7
21	Influence of current limitation on voltage stability with Voltage Sourced Converter HVDC 2013 ,		6
20	Optimization of Synthetic Inertial Response from Wind Power Plants. <i>Energies</i> , 2018 , 11, 1051	3.1	6
19	Inertia Dependent Droop Based Frequency Containment Process. <i>Energies</i> , 2019 , 12, 1648	3.1	5
18	Modeling and Control of VSC Based DC Connection for Active Stall Wind Farms to Grid. <i>IEEEJ Transactions on Industry Applications</i> , 2006 , 126, 622-629	0.2	5
17	European and Indian Grid Codes for Utility Scale Hybrid Power Plants. <i>Energies</i> , 2021 , 14, 4335	3.1	5
16	Control of VSC-HVDC in offshore AC islands with wind power plants: Comparison of two alternatives 2015 ,		4
15	Grid integration impacts on wind turbine design and development 2009 ,		4
14	Generators and Power Electronics for Wind Turbines 73-103		4
13	Flexible Modern Power System: Real-Time Power Balancing through Load and Wind Power. <i>Energies</i> , 2019 , 12, 1710	3.1	3
12	Primary reserve studies for high wind power penetrated systems 2015 ,		3

11	Aggregated wind power plant models consisting of IEC wind turbine models 2015 ,		3
10	Coordinated control scheme for ancillary services from offshore wind power plants to AC and DC grids 2016 ,		3
9	Wind Turbine Technologies 2017 , 145-160		3
8	Invited Lectures. <i>Wind Engineers JAWE</i> , 2001 , 2001, 9-72	0	3
7	Quantifying robustness of Type 4 wind power plant as reactive power source. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 122, 106181	5.1	2
6	Improved frequency control from wind power plants considering wind speed variation 2016 ,		2
5	Grid Support Capabilities of Wind Turbines. <i>Energy Systems</i> , 2013 , 569-590	0.4	2
4	Technical Impacts of High Penetration Levels of Wind Power on Power System Stability 2019 , 47-65		1
3	Coordinated fast primary frequency control from offshore wind power plants in MTDC system 2016 ,		1
2	Multi-Voltage Level Active Distribution Network with Large Share of Weather-Dependent Generation. <i>IEEE Transactions on Power Systems</i> , 2022 , 1-1	7	1
1	Wind Power Plant System Services 2021 , 125-154		