

## СПИСОК ВИКОРИСТАНОЇ ЛІТЕРАТУРИ

1. Ackermann T. Wind Power in Power Systems. John Wiley & Sons: Chichester, UK, 2005, P. 480–504.
2. Li H., Chen Z. Overview of different wind generator systems and their comparisons. IET Renew. Power Gener. 2008, 2, P. 123–138.
3. Xu L., Cartwright P. Direct active and reactive power control of DFIG for wind energy generation. IEEE Trans. Energy Convers. 2006, 21, P. 750–758.
4. Müller S., Deicke M., De Donker R.W. Doubly Fed Induction Generator Systems for Wind Turbines. IEEE Ind. Appl. Mag. 2002, 8, P. 26–33. Energies 2018, 11, 26 16 of 16.
5. Rocabert J., Luna A., Blaabjerg F., Rodriguez P. Control of power converters in ac microgrids. IEEE Trans. Power Electron. 2012, 27, P. 4734–4749.
6. Ribeiro L., Saavedra O., Lima S., Matos J., Bonan G. Making isolated renewable energy systems more reliable. Renew. Energy 2012, 45, P. 221–231.
7. Jiayi H., Chuanwen J., Rong X. A review on distributed energy resources and MicroGrid. Renew. Sustain. Energy Rev. 2008, 12, P. 2472–2483.
8. Xiang D., Ran L., Bumby J.R., Tavner P.J., Yang S. Coordinated control of an HVDC link and doubly fed induction generators in a large offshore wind farm. IEEE Trans. Power Deliv. 2006, 21, P. 463–471.
9. Erlich I., Feltes C., Shewarega F.Y. Enhanced voltage drop control by VSC-HVDC systems for improving wind farm fault Rides through capability. IEEE Trans. Power Deliv. 2014, 29, P. 378–385.
10. Lujano-Rojas J.M., Monteiro C., Dufo-López R., Bernal-Agustín J. Optimum load management strategy for wind/diesel/battery hybrid power systems. Renew. Energy 2012, 44, P. 288–295.
11. Kanellos F.D., Hatziargyriou N.D. Control of Variable Speed Wind Turbines in Islanded Mode of Operation. IEEE Trans. Energy Convers. 2008, 23, P. 535–543.

12. Paiva J.E., Carvalho A.S. Controllable hybrid power system based on renewable energy sources for modern electrical grids. *Renew. Energy* 2013, 53, P. 271–279.
13. Peña R., Cardenas R., Asher G. Overview of control systems for the operation of DFIGs in wind energy applications. In *Proceedings of the 39th Annual Conference of the IEEE Industrial Electronics Society, IECON 2013, Vienna, Austria, 10–13 November 2013* P. 88–95.
14. Peña R., Clare J.C., Asher G.M. A doubly fed induction generator using back to back PWM converters supplying an isolated load from a variable speed wind turbine. *Proc. IEE Electr. Power Appl.* 1996, 143, P. 380–387.
15. Cárdenas R., Peña R., Asher G., Clare J. MRAS observer for sensorless control of standalone doubly fed induction generators. *IEEE Trans. Energy Convers.* 2005, 20, P. 710–718.
16. Ataji A.B., Miura Y., Ise T., Tanaka H. Direct Voltage Control with Slip Angle Estimation to Extend the Range of Supported Asymmetric Loads for Stand-Alone DFIG. *IEEE Trans. Power Electron.* 2016, 31, P. 1015–1025.
17. Abdoune F., Aouzellag D., Ghedamsi K. Terminal voltage build-up and control of a DFIG based stand-alone wind energy conversion system. *Renew. Energy* 2016, 97, P. 468–480.
18. Shukla R.D., Tripathi R.K. A novel voltage and frequency controller for standalone DFIG based Wind Energy Conversion System. *Renew. Sustain. Energy Rev.* 2014, 37, P. 69–89.
19. Iwanski G., Koczara W. Autonomous power system for island or grid-connected wind turbines in distributed generation. *Eur. Trans. Electr. Power* 2008, 18, P. 658–673.
20. Touaiti B., Azza H.B., Jemli M. Direct voltage control of stand-alone DFIG in wind energy applications. In *Proceedings of the IEEE 16th International Conference on Sciences and Techniques of Automatic Control and Computer Engineering (STA), Monastir, Tunisia, 21–23 December 2015*, P. 672–677.

21. Abad G., López J., Rodríguez M.A., Marroyo L., Iwanski G. Doubly Fed Induction Machine: Modeling and Control for Wind Energy Generation. IEEE Press and John Wiley & Sons: Hoboken, NJ, USA, 2011.

22. Akhmatov V. Variable-speed wind turbines with doubly-fed induction generator. Part I: Modeling in dynamic simulation tools. *Wind Eng.* 2002, 26, P.85–108.

23. Moura S.P., de Almeida A.T. The role of demand-side management in the grid integration of wind power. *Appl. Energy J.* 2010, 87, P. 2581–2588.

24. Пересада С.М., Благодір В.О., Диннік Т.В., Желінський М.М. Система векторного керування автономним генератором на основі асинхронної машини з фазним ротором: Науково-технічний журнал Електротехнічні та комп'ютерні системи. Тематичний випуск Практика електропривода. Київ, Техніка, 2014. № 15 (91). С. 85–88.

25. Соболев В. Н., Чехет Э. М., Шаповал И. А., Пересада С. М., Король С. В. Электрогенерирующая автономная система постоянной частоты с матричным преобразователем на основе асинхронной машины с фазным ротором. *Технічна електродинаміка. Тематичний випуск Силова електроніка та енергоефективність.* 2000, Ч.1, С. 63–68.

26. Peresada S., Tilli A., Tonelli A. Robust output feedback control of a doubly fed induction machine. In the 25th Annual Conference of the IEEE Industrial Electronics Society, IECON199 Proceedings, 1999, vol.3, P. 1348–1354.