

СПИСОК ВИКОРИСТАНИХ ДЖЕРЕЛ

1. Chau, K. T. "Electric vehicle machines and drives: design, analysis and application," *John Wiley & Sons*, 2015.
2. O. Laldin, M. Moshirvaziri and O. Trescases, "Optimal power flow for hybrid ultracapacitor systems in light electric vehicles," *2011 IEEE Energy Conversion Congress and Exposition*, Phoenix, AZ, 2011, pp. 2916-2922.
3. J. Snoussi, S. Ben Elghali, R. Outbib and M. F. Mimouni, "Model predictive control for hybrid battery/ultracapacitor power supply used in vehicular applications," *2015 16th International Conference on Sciences and Techniques of Automatic Control and Computer Engineering (STA)*, Monastir, 2015, pp. 193-200.
4. S. K. Kollimalla, M. K. Mishra, A. Ukil and H. B. Gooi, "DC Grid Voltage Regulation Using New HESS Control Strategy," in *IEEE Transactions on Sustainable Energy*, vol. 8, no. 2, pp. 772-781, April 2017.
5. P. J. Grbovic, *Ultra-capacitors in power conversion systems: Applications analysis and design from theory to practice*, NJ, USA: John Wiley & Sons, 2014.
6. S. J. Rind, Y. Ren, Y. Hu, J. Wang and L. Jiang, "Configurations and control of traction motors for electric vehicles: A review," in *Chinese Journal of Electrical Engineering*, vol. 3, no. 3, pp. 1-17, December 2017
7. Abad, Gonzalo, ed. "Power electronics and electric drives for traction applications," *Wiley*, 2017.
8. B. Bilgin *et al.*, "Making the Case for Electrified Transportation," in *IEEE Transactions on Transportation Electrification*, vol. 1, no. 1, pp. 4-17, June 2015
9. Z. Q. Zhu and D. Howe, "Electrical Machines and Drives for Electric, Hybrid, and Fuel Cell Vehicles," in *Proceedings of the IEEE*, vol. 95, no. 4, pp. 746-765, April 2007, doi: 10.1109/JPROC.2006.892482.
10. B. Bilgin and A. Emadi, "Electric Motors in Electrified Transportation: A step toward achieving a sustainable and highly efficient transportation system," in *IEEE Power Electronics Magazine*, vol. 1, no. 2, pp. 10-17, June 2014

11. Emadi, Ali, ed. "Handbook of automotive power electronics and motor drives, " *CRC press*, 2005
12. Bilgin, Berker, James Weisheng Jiang, and Ali Emadi, eds. "Switched Reluctance Motor Drives: Fundamentals to Applications, " *CRC Press*, 2019
13. Guzzella, L., and A. Sciarretta. "Vehicle Propulsion Systems, Introduction to Modeling and Optimization, " 2005.
14. S. Kumar and H. P. Ikkurti, "Design and control of novel power electronics interface for battery-ultracapacitor Hybrid Energy Storage System," *International Conference on Sustainable Energy and Intelligent Systems (SEISCON 2011)*, Chennai, 2011, pp. 236-241.
15. Ziyu Song, Jun Hou, Heath Hofmann, Jianqiu Li, Mingguo Ouyang, "Sliding-mode and Lyapunov function-based control for battery/supercapacitor hybrid energy storage system used in electric vehicles", *Energy*, Beijing, 2017, Pages 601-612
16. M. C. Joshi, S. Samanta and G. Srungavarapu, "Frequency Sharing Based Control of Battery/Ultracapacitor Hybrid Energy System in the Presence of Delay," in *IEEE Transactions on Vehicular Technology*, vol. 68, no. 11, pp. 10571-10584, Nov. 2019.
17. A. L. Allegre, A. Bouscayrol and R. Trigui, "Influence of control strategies on battery/supercapacitor hybrid Energy Storage Systems for traction applications," *2009 IEEE Vehicle Power and Propulsion Conference*, Dearborn, MI, 2009, pp. 213-220.
18. F. S. Garcia, A. A. Ferreira and J. A. Pomilio, "Control Strategy for Battery-Ultracapacitor Hybrid Energy Storage System", *2009 Twenty-Fourth Annual IEEE Applied Power Electronics Conference and Exposition*, Washington, DC, 2009, pp. 826-832.
19. Adrian Florescu, Seddik Bacha, Iulian Munteanu, Antoneta Iuliana Bratcu, Axel Rumeau, "Adaptive frequency-separation-based energy management system for electric vehicles, Journal of Power Sources", *Energy*, Saint Martin d'Herès, 2015, Pages 410-421

20. B. Hredzak, V. G. Agelidis and M. Jang, "A Model Predictive Control System for a Hybrid Battery-Ultracapacitor Power Source," in *IEEE Transactions on Power Electronics*, vol. 29, no. 3, pp. 1469-1479, March 2014.

21. О.О. Мельник, Є.О. Ніконенко, С.М. Пересада "До вибору електромеханічної частини електробуса для міських перевезень", Електромеханічні та енергетичні системи. Методи моделювання та оптимізації : збірник наукових праць XV Міжнародної науково-технічної конференції молодих учених та спеціалістів у м. Кременчук 11–12 квітня 2017. – Кременчук : КрНУ. – С. 17–19.

22. Yazdani, A., & Iravani, R. (2010). Voltage-sourced converters in power systems: modeling, control, and applications. John Wiley & Sons.

23. Tremblay O. Experimental validation of a battery dynamic model for EV applications. *World Electric Vehicle Journal*. Vol. 3. Pp. 289-298. May 2009.

24. Peresada S., Nikonenko Y., Kovbasa S., Kuznietsov A., Pushnitsyn D. Rapid prototyping station for batteries-supercapacitors hybrid energy storage systems. *IEEE 39th International Conference on Electronics and Nanotechnology (ELNANO)*. Kyiv. Ukraine. 2019. Pp. 826-831.

25. Shuo Pang, J. Farrell, Jie Du and M. Barth, "Battery state-of-charge estimation," *Proceedings of the 2001 American Control Conference*. (Cat. No.01CH37148), Arlington, VA, USA, 2001, pp. 1644-1649 vol.2.

26. S. Peresada, M. Zhelinskyi, S. Kovbasa and S. Korol, "Indirect Field Oriented Control of The Saturated Induction Generators with Linear PI Regulators," *2019 IEEE 6th International Conference on Energy Smart Systems (ESS)*, Kyiv, Ukraine, 2019, pp. 138-143.

27. Pavković, D.; Cipek, M.; Kljaić, Z.; Mlinarić, T.J.; Hrgetić, M.; Zorc, D. Damping optimum-based design of control strategy suitable for battery/ultracapacitor electric vehicles. *Energies* 2018, 11, 2854

28. M. A. Rahman, M. A. Masrur and M. N. Uddin, "Impacts of interior permanent magnet machine technology for electric vehicles," *2012 IEEE International Electric Vehicle Conference*, Greenville, SC, 2012, pp. 1-5

29. Y. Zhang, Z. Jiang and X. Yu, "Control Strategies for Battery/Supercapacitor Hybrid Energy Storage Systems," *2008 IEEE Energy 2030 Conference*, Atlanta, GA, 2008, pp. 1-6.

30. Peresada S., Kovbasa S., Nikonenko Y., Bozhko S. Concept of experimental research for electrical vehicle electromechanical systems with hybrid energy storages. *Tekhnichna Elektrodynamika*. No. 5. Pp. 57-60. 2018. (in Ukrainian)