

BIBLIOGRAPHY

- [1] S. R. Bull, “RenBull, S. R. (2001). Renewable energy today and tomorrow. Proceedings of the IEEE, 89(8), 1216–1226. <http://doi.org/10.1109/5.940290>ewable energy today and tomorrow,” *Proc. IEEE*, vol. 89, no. 8, pp. 1216–1226, 2001.
- [2] A. Barré, B. Deguilhem, S. Grolleau, M. Gérard, F. Suard, and D. Riu, “A review on lithium-ion battery ageing mechanisms and estimations for automotive applications,” *J. Power Sources*, vol. 241, pp. 680–689, 2013.
- [3] K. W. E. Cheng, B. P. Divakar, H. Wu, K. Ding, and H. F. Ho, “Battery-management system (BMS) and SOC development for electrical vehicles,” *IEEE Trans. Veh. Technol.*, vol. 60, no. 1, pp. 76–88, 2011.
- [4] A. Affanni, A. Bellini, G. Franceschini, P. Guglielmi, and C. Tassoni, “Battery choice and management for new-generation electric vehicles,” *IEEE Trans. Ind. Electron.*, vol. 52, no. 5, pp. 1343–1349, 2005.
- [5] T. Sarkurt, M. Ceylan, and A. Balıkcı, “An Analytical Battery State of Health Estimation Method,” *IEEE Int. Symp. Ind. Electron. ISIE*, pp. 1605–1609, 2014.
- [6] J. Gallardo-Lozano, E. Romero-Cadaval, M. I. Milanes-Montero, and M. A. Guerrero-Martinez, “Battery equalization active methods,” *J. Power Sources*, vol. 246, pp. 934–949, 2014.
- [7] E. Loniza, *Passive Balancing pada Baterai Lithium Polymer dengan Topology Shunt Resistor Secara Online*. 2016.
- [8] B. R. Dewangga, “ESTIMASI ARUS PADA BATTERY MANAGEMENT SYSTEM BERBASIS SENSORLESS CURRENT MENGGUNAKAN MODEL BATERAI SEDERHANA,” 2015.
- [9] B. Adjie.P, “Estimasi State of Health (SoH) pada Baterai Lithium Polymer,” 2015.
- [10] T. H. Phung, A. Collet, and J. C. Crebier, “An optimized topology for next-to-next balancing of series-connected lithium-ion cells,” *IEEE Trans. Power Electron.*, vol. 29, no. 9, pp. 4603–4613, 2014.
- [11] K. Nishijima, H. Sakamoto, and K. Harada, “A PWM controlled simple and high performance battery balancing system,” *IEEE Power Electron. Spec. Conf.*, vol. 1, no. c, pp. 517–520, 2000.
- [12] “WHO | 7 million premature deaths annually linked to air pollution,” *WHO*, 2014.
- [13] G. M. S. and V. P. J. Chen Hong, “A systematic review of the relation between long-term exposure to ambient air pollution and chronic diseases,” *Rev. Environ. Health*, vol. 23, no. 4, pp. 243–297, 2008.

- [14] J. D. Zoidis, “The Impact of Air Pollution on COPD,” *RT: for Decision Makers in Respiratory Care*. 1999.
- [15] O. Raaschou-Nielsen *et al.*, “Air pollution from traffic and cancer incidence: a Danish cohort study,” *Env. Heal.*, vol. 10, no. 1, p. 67, 2011.
- [16] N. Pieters *et al.*, “Blood Pressure and Same-Day Exposure to Air Pollution at School: Associations with Nano-Sized to Coarse PM in Children.,” *Environ. Health Perspect.*, vol. 123, no. 7, pp. 737–42, 2015.
- [17] J. Burney and V. Ramanathan, “Recent climate and air pollution impacts on Indian agriculture,” *Proc. Natl. Acad. Sci.*, vol. 111, no. 46, pp. 16319–16324, Nov. 2014.
- [18] Lauren McCauley, “Making Case for Clean Air, World Bank Says Pollution Cost Global Economy \$5 Trillion | Common Dreams | Breaking News & Views for the Progressive Community.” [Online]. Available: <http://www.commondreams.org/news/2016/09/08/making-case-clean-air-world-bank-says-pollution-cost-global-economy-5-trillion>. [Accessed: 12-Feb-2017].
- [19] R. S. Hartman, D. Wheeler, and M. Singh, “The cost of air pollution abatement,” *Appl. Econ.*, vol. 29, no. 6, pp. 759–774, 1997.
- [20] D. S. Greenbaum, “Chapter 5 . Sources of Air Pollution : Gasoline and Diesel Engines,” *Air Pollut. cancer*, pp. 49–62, 2009.
- [21] R. I. Larsen, “Air pollution from motor vehicles.,” *Ann. N. Y. Acad. Sci.*, vol. 136, pp. 277–301, 1966.
- [22] H. Pzenioslo and C. W. A. Y. Case, “CAN ELECTRIC PROPULSION HELP TO REDUCE AIR POLLUTION FROM URBAN FREIGHT TRANSPORT IN A STUDY OF COPENHAGEN.”
- [23] M. Kaouane, A. Boukhelifa, and A. Cheriti, “Regulated output voltage double switch Buck-Boost converter for photovoltaic energy application,” *Int. J. Hydrogen Energy*, vol. 41, no. 45, pp. 20847–20857, 2016.
- [24] I. HARDING ENERGY, “Lithium Polymer,” *Harding Batter. Handb. Quest*, pp. 42–46, 2015.
- [25] “li-polymer-76482_3b.jpg (1000×1294).” [Online]. Available: http://img.directindustry.com/pdf/repository_di/15432/li-polymer-76482_3b.jpg. [Accessed: 25-Apr-2017].
- [26] C. K. Alexander and M. N. O. Sadiku, *Fundamentals of Electric Circuits*. 2001.
- [27] X. Zhao and R. A. de Callafon, “Modeling of battery dynamics and hysteresis for power delivery prediction and SOC estimation,” *Appl. Energy*, vol. 180, pp. 823–833, 2016.
- [28] S. M. Rezvanizani, Z. Liu, Y. Chen, and J. Lee, “Review and recent advances

- in battery health monitoring and prognostics technologies for electric vehicle (EV) safety and mobility,” *J. Power Sources*, vol. 256, pp. 110–124, 2014.
- [29] C. Y. Chun *et al.*, “Current sensor-less state-of-charge estimation algorithm for lithium-ion batteries utilizing filtered terminal voltage,” *J. Power Sources*, vol. 273, pp. 255–263, 2015.
- [30] H. J. Bergveld, W. S. Kruijt, and P. H. L. Notten, *Battery Management Systems*. 2002.
- [31] W. E. Boyce and R. C. DiPrima, “Elementary differential equations and boundary value problems,” p. xvi+809, 2013.
- [32] I. Fajri and R. Nazir, “Fuzzy logic-based voltage controlling mini solar electric power plant as an electrical energy reserve for notebook,” *Energy Procedia*, vol. 68, pp. 97–106, 2015.
- [33] M. B. U. Patil, “Design of Fuzzy Based Controlling System for Buck Converter,” vol. 4, no. 6, pp. 2730–2733, 2015.
- [34] I. Iancu, “A Mamdani Type Fuzzy Logic Controller,” *Rijeka INTECH Open Access Publ.*, pp. 325–350, 2012.
- [35] I. Sakti, “METHODOLOGY OF FUZZY LOGIC,” in *2014 1 st International Conference on Information Technology, Computer and Electrical Engineering (ICIT ACEE)*, 2014, pp. 93–98.
- [36] D. M. Lane, “Chapter 15 - Analysis of Variance,” *Intro to Stats*, no. Rice University (Lead Developer), University of Houston Clear Lake, and Tufts University, pp. 517–597, 2016.
- [37] “Screenshot+2015-11-11+12.47.13.png (1317×791).” [Online]. Available: <http://3.bp.blogspot.com/-aevBDTV4CMc/VkMtxR2ykJI/AAAAAAAAADqU/KAaTqiFTWqs/s1600/Screenshot%2B2015-11-11%2B12.47.13.png>. [Accessed: 23-May-2017].
- [38] F. Naznin, “State of Charge (SOC) Governed Fast Charging Method for Lithium Based Batteries *,” no. 4, pp. 1–7, 2013.