

DAFTAR PUSTAKA

- ANSI/AIAA G-095-2004, Guide to Safety of Hydrogen and Hydrogen Systems
- Barbir, F. (2005). PEM Fuel Cell. 2005, Elsevier Inc, UK:
- Basic Hydrogen Properties / H2tools / Hydrogen Tools*. (n.d.).
<https://h2tools.org/hyarc/hydrogen-data/basic-hydrogen-properties>
- Cao, T. F., Lin, H., Chen, L., He, Y. L., & Tao, W. Q. (2013). Numerical investigation of the coupled water and thermal management in PEM fuel cell. *Applied energy*, 112, 1115-1125.
- Chalk, S. G., Miller, J. F., & Wagner, F. W. (2000). Challenges for fuel cells in transport applications. *Journal of Power sources*, 86(1-2), 40-51.
- Chen E. Thermodynamics and Electrochemical Kinetics. In: Hoogers G, editor. Fuel Cell Technology Handbook. Boca Raton, FL: CRC Press; 2003.
- Chen, W., Liu, Y., & Chen, B. (2022). Numerical Simulation on Pressure Dynamic Response Characteristics of Hydrogen Systems for Fuel Cell Vehicles. *Energies*, 15(7).
- Chen, X., Chen, Y., Liu, Q., Xu, J., Liu, Q., Li, W., Zhang, Y., Wan, Z., & Wang, X. (2021). Performance study on a stepped flow field design for *bipolar plate* in PEMFC. *Energy Reports*, 7, 336–347.
<https://doi.org/10.1016/j.egy.2021.01.003>
- Decher, R. (2022). Pressure: The Bernoulli Principle and Flow Energy Conservation. In: The Vortex and The Jet. Springer, Singapore.
- Farooq, A., & Alhalabi, W. (2023). Evaluation of hydrogen fuel cell-based systematic vehicular application to promote the green economy using LabVIEW. *Results in Engineering*, 20, 101607.
- FUEL CELL TECHNOLOGIES PROGRAM Fuel Cells*. (n.d.).
<http://www.hydrogenandfuelcells.energy>.
- Fuel Cells*. (n.d.-b). Energy.gov. <https://www.energy.gov/eere/fuelcells/fuel-cells>
- He, W., Liu, T., Ming, W., Li, Z., Du, J., Li, X., Guo, X., & Sun, P. (2024). Progress in prediction of remaining useful life of hydrogen fuel cells based on deep learning. *Renewable and Sustainable Energy Reviews*, 192,

114193. <https://doi.org/10.1016/J.RSER.2023.114193>

Hirschenhofer JH, Stauffer DB, Engleman RR. Fuel Cells: A Handbook. U.S. Department of Energy, Morgantown Energy Technology Center; January 1994. Revision 3DOE/METC-94/1006.

Hontanon, E., Escudero, M. J., Bautista, C., Garcia-Ybarra, P. L., & Daza, L. (2000). Optimisation of flow-field in polymer electrolyte membrane fuel cells using computational fluid dynamics techniques. *Journal of Power Sources*, 86(1-2), 363-368.

How does a fuel cell work? (2022, October 28). EODev. <https://www.eo-dev.com/technologies/fuel-cell>

<https://doi.org/10.1016/J.RINENG.2023.101607>

Hydrogen & Fuel Cells: Science Behind Fuel Cells – SEPUP. (n.d.).

<https://sepup.lawrencehallofscience.org/curricula/high/hydrogen-fuel-cells/hydrogen-fuel-cells-science-behind-fuel-cells/>

Hydrogen Fuel Cell Engines and Related Technologies. Module 1: Hydrogen Properties." U.S. DOE. 2001,

http://www.eere.energy.gov/hydrogenandfuelcells/tech_validation/pdfs/fcm01r0.pdf.

Jamasb, T., Nuttall, W. J., & Pollitt, M. G. (Eds.). (2006). *Future electricity technologies and systems* (Vol. 67). Cambridge University Press.

Jolly, W. Lee (2024, May 5). hydrogen. *Encyclopedia Britannica*.

<https://www.britannica.com/science/hydrogen>

K Gautam, R., Banerjee, S., & K Kar, K. (2015). *Bipolar plate* materials for proton exchange membrane fuel cell application. *Recent Patents on Materials Science*, 8(1), 15-45.

Kazim, A., Liu, H. T., & Forges, P. (1999). Modelling of performance of PEM fuel cells with conventional and interdigitated flow fields. *Journal of Applied Electrochemistry*, 29, 1409-1416.

Kumar, A., & Reddy, R. G. (2003). Effect of channel dimensions and shape in the flow-field distributor on the performance of polymer electrolyte membrane fuel cells. *Journal of power sources*, 113(1), 11-18.

- Kurzon FL, Ahlborn B. Efficiency of a Carnot Engine at Maximum Power Output. *American Journal of Physics* 1975;43:22–4.
- Li, X., & Sabir, I. (2005). Review of *bipolar plates* in PEM fuel cells: Flow-field designs. *International Journal of Hydrogen Energy*, 30(4), 359–371.
<https://doi.org/10.1016/j.ijhydene.2004.09.019>
- Musse, D., & Lee, D. (2024). Computational evaluation of PEMFC performance based on *bipolar plate* material types. *Energy Reports*, 11, 4886–4903.
<https://doi.org/10.1016/j.egyr.2024.04.052>
- NIST Chemistry WebBook. <http://webbook.nist.gov/chemistry/>;
- O'Hayre, R., Cha, S.W., Colella, W., Prinz, F.B. (2009). *Fuel Cell Fundamentals*, ed. 2nd., John Wiley and Sons Inc., New York.
- Tawalbeh, M., Alarab, S., Al-Othman, A., & Javed, R.M.N. (2023, February 19). Proton Exchange Membrane Fuel Cells. In *Encyclopedia*.
<https://encyclopedia.pub/entry/41403>
- U.S. Department of Energy, Transportation Fuel Cell Power Systems. 2000 Annual Progress Report. Washington, DC: U.S. Department of Energy; 2000.
- Vishnyakov, V. M. Proton exchange membrane fuel cells. *Vacuum*, Vol. 80, (2006), pp. 1053-1065.
- Wang, X. D., Duan, Y. Y., Yan, W. M., & Peng, X. F. (2008). Local transport phenomena and cell performance of PEM fuel cells with various serpentine flow field designs. *Journal of Power Sources*, 175(1), 397–407.
<https://doi.org/10.1016/j.jpowsour.2007.09.009>
- Weast RC, editor. *CRC Handbook of Chemistry and Physics*. Boca Raton, FL: CRC Press; 1988.
www.intechopen.com
- Yeetsorn, R., Fowler, M. W., & Tzoganakis, C. (n.d.). *6 A Review of Thermoplastic Composites for Bipolar plate Materials in PEM Fuel Cells*.
- Zhao, C., Xing, S., Liu, W., Chen, M., Wang, Y., & Wang, H. (2020). An experimental study on pressure distribution and performance of end-plate with different optimization parameters for air-cooled open-cathode LT-

PEMFC. *International Journal of Hydrogen Energy*, 45(35), 17902–17915.

<https://doi.org/10.1016/j.ijhydene.2020.04.270>