

- Alizadeh, S. M., Khalili, Y., & Ahmadi, M. (2024). Comprehensive review of carbon capture and storage integration in hydrogen production: Opportunities, challenges, and future perspectives. *Energies*, 17(21), 5330. <https://doi.org/10.3390/en17215330>
- EPA. (2023). *Sources of greenhouse gas emissions*. U.S. Environmental Protection Agency. <https://www.epa.gov/ghgemissions/sources-greenhouse-gas-emissions>
- Connors, S. L. (2021). *Climate change 2021: The Physical Science Basis*. IPCC Intergovernmental Panel on Climate Change. <https://www.ipcc.ch/report/ar6/wg1/>
- Hadi, A. I. (2025). A comprehensive review of carbon capture. *Journal of Sustainable Technology*. <https://www.sciencedirect.com/science/article/pii/S2949821X25001784>
- Hamilton, C., Liu, C., Kim, S., & Thomas, J. (2023). Mobile source carbon capture: Overview and FECM perspective. *U.S. Department of Energy / National Energy Technology Laboratory*. [https://netl.doe.gov/sites/default/files/netl-file/24CM/24CM\\_PSCC\\_8\\_Hamilton.pdf](https://netl.doe.gov/sites/default/files/netl-file/24CM/24CM_PSCC_8_Hamilton.pdf)
- House, K. Z., Baclig, A. C., Ranjan, M., van Nierop, E. A., Wilcox, J., & Herzog, H. J. (2011). Electrochemical and chemical methods for carbon dioxide capture. *Proceedings of the National Academy of Sciences*, 108(51), 20428–20434. <https://doi.org/10.1073/pnas.1012253108>
- IPCC. (2021). *Climate change 2021: The physical science basis*. Intergovernmental Panel on Climate Change. Cambridge University Press. <https://www.ipcc.ch/report/ar6/wg1/>
- Kim, J. (2024). Design and assessment of a novel mobile carbon capture system. *Industrial & Engineering Chemistry Research*, 63(14), 5673–5684. <https://doi.org/10.1021/acs.iecr.3c04730>

OSHA. (2022). *Sodium hydroxide: Safety data sheet*. Occupational Safety and Health Administration. <https://www.osha.gov/chemicaldata/211>

Prats-Salvado, E., Montornés, J. M., Pascual, J., & Fereres, S. (2024). Solar-powered direct air capture: Techno-economic and life-cycle assessment. *Environmental Science & Technology*, 58(5), 2411–2423. <https://doi.org/10.1021/acs.est.3c06745>

Stern, M. C., Simeon, F., & Hatton, T. A. (2012). Carbon dioxide absorption in alkaline solutions: A review. *Chemical Engineering Journal*, 181–182, 694–701. <https://doi.org/10.1016/j.cej.2011.12.084>

Nations, U. (2012, March 23). *Causes and effects of climate change*. United Nations. <https://www.un.org/en/climatechange/science/causes-effects-climate-change>

Parliament, E. (2019, March 22). CO2 emissions from cars: Facts and figures (infographics) | topics | European Parliament. CO2 Emissions from Cars. <https://www.europarl.europa.eu/topics/en/article/20190313STO31218/co2-emissions-from-cars-facts-and-figures-infographics>