

## DAFTAR PUSTAKA

- Cengel, Yunus. A., 2002, Heat Transfer: A Practical Approach. Second Edition. New York: Mc Graw-Hill.
- DeNooyer, T. A., Peschel, J. M., Zhang, Z., and Stillwell, A. S., 2016, Integrating water resources and power generation: The energy-water nexus in Illinois, *Applied Energy*, 162, 363–371, <https://doi.org/10.1016/j.apenergy.2015.10.071>.
- Enright, R., Miljkovic, N., Al-Obeidi, A., Thompson, C. V., and Wang, E. N., 2012, Condensation on superhydrophobic surfaces: The role of local energy barriers and structure length scale, *Langmuir*, 28(40), 14424–14432, <https://doi.org/10.1021/la302599n>.
- Hyunho, K. K., Yang, S., Narayanan, S., Kapustin, E. A., Furukawa, H., Umans, A. S., Yaghi, O. M., and Wang, E. N., 2017, Powered By Natural Sunlight, *Science*, 434(April), 430–434.
- Incropera, Frank P., Bergman, T. L., Dewitt, David P., and Lavine, Adrienne S., 2007, Fundamentals Of Heat and Mass Transfer, Seventh Edition.
- Jarimi, H., Powell, R., and Riffat, S., 2020, Review of sustainable methods for atmospheric water harvesting, *International Journal of Low-Carbon Technologies*, 15(2), 253–276, <https://doi.org/10.1093/ijlct/ctz072>.
- Korkmaz, S., and Kariper, I. A., 2020, Fog harvesting against water shortage, *Environmental Chemistry Letters*, 18(2), 361–375, <https://doi.org/10.1007/s10311-019-00950-5>.
- Kumar, D., Tiwari, A., Agarwal, V., and Srivastava, K., 2023, Investigation of atmospheric water vapour condensation and characteristic analysis as potable water, *International Journal of Environmental Science and Technology*, 20(5), 4905–4918, <https://doi.org/10.1007/s13762-022-04199-4>.
- LaPotin, A., Kim, H., Rao, S. R., and Wang, E. N., 2019, Adsorption-Based Atmospheric Water Harvesting: Impact of Material and Component Properties on System-Level Performance, *Accounts of Chemical Research*, 52(6), 1588–1597. <https://doi.org/10.1021/acs.accounts.9b00062>.
- Lee, A., Moon, M. W., Lim, H., Kim, W. D., and Kim, H. Y., 2012, Water harvest via dewing, *Langmuir*, 28(27), 10183–10191, <https://doi.org/10.1021/la3013987>.
- Mekonnen, M. M., and Hoekstra, A. Y., 2016, Sustainability: Four billion people facing severe water scarcity, *Science Advances*, 2(2), 1–7, <https://doi.org/10.1126/sciadv.1500323>.

- Migliaccio, C. P., 2014, Resonance-induced condensate shedding for high-efficiency heat transfer, *International Journal of Heat and Mass Transfer*, 79, 720–726, <https://doi.org/10.1016/j.ijheatmasstransfer.2014.08.054>.
- Miljkovic, N., Enright, R., and Wang, E., 2013, Modeling and Optimization of Superhydrophobic Condensation, *Journal of Heat Transfer*, 135, 111004, <https://doi.org/10.1115/1.4024597>.
- Moradi, M., Chini, S. F., and Rahimian, M. H., 2020, Vibration-enhanced condensation heat transfer on superhydrophobic surfaces: An experimental study, *AIP Advances*, 10(9), <https://doi.org/10.1063/5.0020139>.
- Sanaye, S., Shourabi, A., and Borzuei, D., 2023, Sustainable water production with an innovative thermoelectric-based atmospheric water harvesting system, *Energy Reports*, 10, 1339–1355, <https://doi.org/10.1016/j.egyr.2023.07.062>.
- Sharp, J. S., Farmer, D. J., and Kelly, J., 2011, Contact angle dependence of the resonant frequency of sessile water droplets, *Langmuir*, 27(15), 9367–9371, <https://doi.org/10.1021/la201984y>.
- Wang, X., Yan, S., Liu, Q., and Zhu, Z., 2016, Experiment for Drop-wise Condensation Heat Transfer by Infrared Thermal Imager, *Chinese Journal of Space Science*, 36(4), 520, <https://doi.org/10.11728/cjss2016.04.520>.
- Wang, X., Zhou, X., Luo, N., Luo, H., Wei, H., Qin, B., Zeng, J., Yu, X., Mei, Y., and Zhang, Y., 2023, Beetle-like structured microfibers for rapid water harvesting, *Applied Surface Science*, 638(July), 158090, <https://doi.org/10.1016/j.apsusc.2023.158090>.
- Wu, S., Gao, S., Wang, H., and Deng, Z., 2023, Dropwise condensation heat transfer on vertical superhydrophobic surfaces with gradient microgrooves in humid air, *International Journal of Heat and Mass Transfer*, 201, 123583, <https://doi.org/10.1016/j.ijheatmasstransfer.2022.123583>.
- Xu, Y., Bai, Z., Xu, G., and Shen, H., 2022, Constructing a versatile hybrid harvester for efficient power generation, detection and clean water collection, *Nano Energy*, 94(October 2021), 106932, <https://doi.org/10.1016/j.nanoen.2022.106932>.
- Yuan, Y., and Lee, T.R., 2013, *Surface sciences techniques, Springer Series in Surface Sciences*, vol. 51, pp. 3 – 29.
- Zhong, Z., Ma, W., Yao, S., Niu, J., and Xu, X., 2023, Condensation heat transfer between a vertical superhydrophobic aluminum surface and moist air under natural convection, *Applied Thermal Engineering*, 229, 120591, <https://doi.org/10.1016/j.applthermaleng.2023.120591>.