

DAFTAR REFERENSI

- [1] H. T. Nakano T., Eckford A.W., *Molecular Communication*. Cambridge University Press, 2013.
- [2] H. B. Yilmaz, A. C. Heren, T. Tugcu, and C. Chae, “Three-dimensional channel characteristics for molecular communications with an absorbing receiver,” *IEEE Communications Letters*, vol. 18, no. 6, pp. 929–932, June 2014.
- [3] B. Atakan, *Molecular Communications and Nanonetworks: From Nature To Practical Systems*, 1st ed. Springer-Verlag New York, 2014.
- [4] M. Femminella, G. Reali, and A. V. Vasilakos, “A molecular communications model for drug delivery,” *IEEE Transactions on NanoBioscience*, vol. 14, no. 8, pp. 935–945, Dec 2015.
- [5] S. J. e. Padma V. Devarajan, *Targeted Drug Delivery : Concepts and Design*, 1st ed., ser. Advances in Delivery Science and Technology. Springer International Publishing, 2015.
- [6] Y. Saadeh and D. Vyas, “Nanorobotic applications in medicine: Current proposals and designs,” *American Journal of Robotic Surgery*, vol. 1, pp. 4–11, 06 2014.
- [7] I. Akyildiz, F. Brunetti, and C. Blázquez, “Nanonetworks: A new communication paradigm,” *Computer Networks*, vol. 52, pp. 2260–2279, 08 2008.
- [8] P. Akhkandi, A. Keshavarz-Haddad, and A. Jamshidi, “A new channel code for decreasing inter-symbol-interference in diffusion based molecular communications,” in *2016 8th International Symposium on Telecommunications (IST)*, 2016, pp. 277–281.
- [9] C. C. H. B. Yilmaz, “Simulation study of molecular communication systems with an absorbing receiver: modulation and isi mitigation techniques,” *Elsevier*, 2014.
- [10] A. Noel, “Introduction to molecular communication,” University of Erlangen-Nurnberg, Tech. Rep., November 2013.

- [11] N. Farsad, H. B. Yilmaz, A. Eckford, C. Chae, and W. Guo, “A comprehensive survey of recent advancements in molecular communication,” *IEEE Communications Surveys Tutorials*, vol. 18, no. 3, pp. 1887–1919, thirdquarter 2016.
- [12] H. C. Berg, *Random Walks in Biology*. Princeton University Press, 1993.
- [13] J. Berthier and P. Silberzan, *Microfluidics for Biotechnology*, 2nd ed. Artech House, 2009.
- [14] H. J. V. Tyrrell and K. R. Harris, *Diffusion in Liquids: A theoretical and experimental study*. Butterworths Monographs in Chemistry, 1984.
- [15] M. Pierobon and I. F. Akyildiz, “Capacity of a diffusion-based molecular communication system with channel memory and molecular noise,” *IEEE Transactions on Information Theory*, vol. 59, no. 2, pp. 942–954, Feb 2013.
- [16] H. University. (2020, February) Bionumbers: The database of useful biological numbers. [Online]. Available: <https://bionumbers.hms.harvard.edu/search.aspx?log=y&task=searchbytrmorg&trm=diffusion+coefficient+in+water>
- [17] M. S. Kuran, H. B. Yilmaz, T. Tugcu, and I. F. Akyildiz, “Modulation techniques for communication via diffusion in nanonetworks,” in *2011 IEEE International Conference on Communications (ICC)*, June 2011, pp. 1–5.
- [18] M. Kuran, H. B. Yilmaz, T. Tugcu, and B. Özerman Edis, “Energy model for communication via diffusion in nanonetworks,” *Nano Communication Networks*, vol. 1, pp. 86–95, 06 2010.
- [19] D. J. C. MacKay, *Information Theory, Inference, and Learning Algorithms*. Copyright Cambridge University Press, 2003.