

- Monod, J. (1949). **The growth of bacterial cultures.** *Annual Reviews in Microbiology*, 3(1), 371–394
- Shehata TE, Marr AG, Shehata, T. E., & Marr, A. G. (1971). **Effect of Nutrient Concentration on the Growth of Escherichia coli.** *Journal of Bacteriology*, 107(1), 210–216
- Marr, A. G. (1991). **Growth Rate of Escherichia coli.** *Microbiology and Molecular Biology Reviews*, 55(2), 316–333.
- Beg, Q. K., Vazquez, A., Ernst, J., de Menezes, M. A., Bar-Joseph, Z., Barabási, A.-L. A.-L., & Oltvai, Z. N. (2007). **Intracellular crowding defines the mode and sequence of substrate uptake by Escherichia coli and constrains its metabolic activity.** *PNAS*, 104(31), 12663–8. doi:10.1073/pnas.0609845104
- Henry, C. S., Broadbelt, L. J., & Hatzimanikatis, V. (2007). **Thermodynamics-based metabolic flux analysis.** *Biophysical Journal*, 92(5), 1792–1805. doi:10.1529/biophysj.106.093138
- Schuetz, R., Kuepfer, L., & Sauer, U. (2007). **Systematic evaluation of objective functions for predicting intracellular fluxes in Escherichia coli.** *Molecular Systems Biology*, 3(119), 119. doi:10.1038/msb4100162
- Molenaar, D., van Berlo, R., de Ridder, D., & Teusink, B. (2009). **Shifts in growth strategies reflect tradeoffs in cellular economics.** *Molecular Systems Biology*, 5, 323. doi:10.1038/msb.2009.82
- Scott, M., Gunderson, C. W., Mateescu, E. M., Zhang, Z., & Hwa, T. (2010). **Interdependence of Cell Growth and Gene Expression: Origins and Consequences.** *Science*, 330(6007), 1099–1102. doi:10.1126/science.1192588
- Karr, J. R., Sanghvi, J. C., Macklin, D. N., Gutschow, M. V., Jacobs, J. M., Bolival, B., ... Covert, M. W. (2012). **A Whole-Cell Computational Model Predicts Phenotype from Genotype.** *Cell*, 150(2), 389–401. doi:10.1016/j.cell.2012.05.044
- Schuetz, R., Zamboni, N., Zampieri, M., Heinemann, M., & Sauer, U. (2012, May 3). **Multidimensional Optimality of Microbial Metabolism.** *Science*. doi:10.1126/science.1216882
- Flamholz, A., Noor, E., Bar-Even, A., Liebermeister, W., & Milo, R. (2013). **Glycolytic strategy as a tradeoff between energy yield and protein cost.** *PNAS*, 110(24), 10039–10044. doi:10.1073/pnas.1215283110
- Noor, E., Flamholz, A., Liebermeister, W., Bar-Even, A., & Milo, R. (2013). **A note on the kinetics of enzyme action: a decomposition that highlights thermodynamic effects.** *FEBS Letters*, 587(17), 2772–7. doi:10.1016/j.febslet.2013.07.028
- Basan, M., Hui, S., Okano, H., Zhang, Z., Shen, Y., Williamson, J. R., & Hwa, T. (2015). **Overflow metabolism in Escherichia coli results from efficient proteome allocation.** *Nature*, 528(7580), 99–104. doi:10.1038/nature15765