

Publications marquantes de Michel Jaffrin (S1960)

- Biological Flows, ed. by M.Y. JAFFRIN and C. CARO, 367 pages, Plenum 1996.
- Biomécanique des Fluides et des Tissus, ed. by M.Y. JAFFRIN and F. GOUBEL 454 pages, Masson 1998.
- Shapiro A.H., Jaffrin M.Y., Weinberg S.L. (1969) Peristaltic pumping with long wavelengths at low Reynolds number, *Journal of Fluid Mechanics* 37, 799-825.
- Jaffrin M.Y., Kesic P. (1974) Airway resistance: a fluid mechanical approach, *Journal of Applied Physiology* 36, 354-361.
- Jaffrin M.Y., Gupta B.B., Malbrancq J.M. (1981) A one-dimensional model of simultaneous hemodialysis and ultrafiltration with highly permeable membranes, *Journal of Biomechanical Engineering* 103, 261-266.
- Jaffrin M.Y., Reach G., Notelet D. (1988) Analysis of ultrafiltration and mass transfer in a bioartificial pancreas, *Journal of Biomechanical Engineering* 110, 1-10.
- Jaffrin M.Y., Ding L., Laurent J.M. (1990) Simultaneous convective and diffusive mass transfers in a hemodialyser, *Journal of Biomechanical Engineering* 112, 212-219.
- Jaffrin M.Y., Gupta B.B., Paullier P. (1994) Energy saving pulsatile mode cross flow filtration, *Journal of Membrane Science*, 86, 281-290.
- Legallais C., Moriniere P., Wojcicki J., Lalau J.D., Fournier A., Jaffrin M.Y. (1995). A high selectivity cascade filtration technique for LDL-Cholesterol and Lp(a) removal, *Artificial Organs* 19, 887-895.
- Defrance L., Jaffrin M.Y. (1999) Comparison between filtrations at fixed transmembrane pressure and fixed permeate flux: Application to a membrane bioreactor used for wastewater treatment, *Journal of Membrane Science* 152, 203-210.
- Bouzerar R., Jaffrin M.Y., Ding L., Paullier P. (2000) Influence of geometry and angular velocity on performance of a rotating disk filter, *AIChE Journal* 46, 257-265.
- Fenech M., Maasrani M., Jaffrin M.Y. (2001) Fluid volumes determination by impedance spectroscopy and hematocrit monitoring: Application to pediatric hemodialysis, *Artificial Organs* 25, 89-98.
- David B., Dore E., Jaffrin M.Y., Legallais C. (2004) Mass transfers in a fluidized bed bioreactor using alginate beads for a future bioartificial liver, *International Journal of Artificial Organs* 27, 284-293.
- Jaffrin, M.Y. (2009) Body composition determination by bioimpedance: An update, *Current Opinion in Clinical Nutrition and Metabolic Care* 12, 482-486.
- Luo J., Ding L., Wan Y., Jaffrin M.Y. (2012) Threshold flux for shear-enhanced nanofiltration: Experimental observation in dairy wastewater treatment, *Journal of Membrane Science* 409-410, 276-284.
- Zhang, W., Ding, L., Luo, J., Jaffrin, M.Y., Tang, B. (2016) Membrane fouling in photocatalytic membrane reactors (PMRs) for water and wastewater treatment: A critical review, *Chemical Engineering Journal* **302**, 446-458.