

Ivo Provazník

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Citation Report:

Sum of articles WoS: 23

Sum of articles WoS (2004 - 2008): 16

Sum of the Times Cited: 21

h-index : 3

Number of patents: 0

Experience: Prof. Provazník is a member of Biomedical Engineering Department since 1991. He was principal investigator of several projects oriented to research of electrophysiology of heart. He developed unique techniques for measurement and analysis of electrical activity of heart and validated them on animal models in Langendorf setup. His other specialities are biological signal processing and molecular biology computing.

Five selected publications:

- NOVÁKOVÁ, M.; BARDOŇOVÁ, J.; PROVAZNÍK, I.; TÁBORSKÁ, E. Effects of voltage sensitive dye di-4-ANEPPS on guinea pig and rabbit myocardium. *General Physiology and Biophysics*. 2008. 26(1). p. 45 - 54.
- NOVÁKOVÁ, M.; BARDOŇOVÁ, J.; PROVAZNÍK, I. Recording of monophasic action potentials during ischemia - reperfusion by optical method. *Scripta medica*. 2007. 2007(6). p. 1 - 13.
- BARDOŇOVÁ, J., PROVAZNÍK, I., NOVÁKOVÁ, M. Matching pursuit decomposition for detection of frequency changes in experimental data – application to heart signal recordings analysis. *Scripta medica*, 2006, roč. 79, č. 6, s. 285-292
- OZER, M., ERDEM, R., PROVAZNÍK, I. A New Approach to Define Dynamics of the Ion Channels Gates. *Neuroreport*, 2004, Vol. 15, No. 2, pp. 335-338.
- OZER, M., PROVAZNÍK, I. A Comparative Tool for the Validity of Rate Kinetics in Ion Channels by Onsager Reciprocity Theorem. *Journal of Theoretical Biology*, 2004, Vol. 233, No. 2, pp. 237-243.