

Contents of Volume 65

Vol. 65 No. 1

Indirect electrochemical reduction of nicotinamide coenzymes K. Vuorilehto, S. Lütz and C. Wandrey	1
Effects of palmitic acid and cholesterol on proton transport across black lipid membranes K. Brunaldi, M.A. Miranda, F. Abdulkader, R. Curi and J. Procopio	9
A novel immunosensor based on immobilization of hepatitis B surface antibody on platinum electrode modified colloidal gold and polyvinyl butyral as matrices <i>via</i> electrochemical impedance spectroscopy D. Tang, R. Yuan, Y. Chai, J. Dai, X. Zhong and Y. Liu	15
The effect of polyamidoamine dendrimers on human erythrocyte membrane acetylcholinesterase activity B. Klajnert, M. Sadowska and M. Bryszewska	23
Surface area involved in transdermal transport of charged species due to skin electroporation U. Pliquet and C. Gusbeth	27
n amperometric hydrogen peroxide biosensor based on immobilizing horseradish peroxidase to a nano-Au monolayer supported by sol–gel derived carbon ceramic electrode C.-X. Lei, S.-Q. Hu, N. Gao, G.-L. Shen and R.-Q. Yu	33
Direct determination of brucine by square wave voltammetry on 4-amino-2-mercaptopyrimidine self-assembled monolayer gold electrode X.-H. Zhang, S.-F. Wang and N.-J. Sun	41
Direct spectroelectrochemical titration of glutathione V. Reipa	47
Study on the enhancement of catalytic activity for hemoglobin by quinhydrone in poly(<i>o</i> -aminophenol) film W. Tao, Y. Liu, D. Pan, L. Nie and S. Yao	51
Strong static magnetic field effects on yeast proliferation and distribution M. Iwasaka, M. Ikehata, J. Miyakoshi and S. Ueno	59
Redox kinetic measurements of glutathione at the mercury electrode by means of square-wave voltammetry. The role of copper, cadmium and zinc ions M. Mladenov, V. Mirčeski, I. Gjorgoski and B. Jordanoski	69
Electrochemical cleavage of DNA in the presence of copper–sulfosalicylic acid complex Y.-L. Wang, Y.-C. Liu, Z.-S. Yang and G.-C. Zhao	77
Deactivation of bilirubin oxidase by a product of the reaction of urate and O ₂ C. Kang, H. Shin, Y. Zhang and A. Heller	83

Vol. 65 No. 2

Dielectric properties of a protein–water system in selected animal tissues E. Marzec and W. Warchoř	89
Voltammetric analysis of Cu (II), Cd (II) and Zn (II) complexes and their cyclic voltammetry with several cephalosporin antibiotics N. Abo El-Maali, A.H. Osman, A.A.M. Aly and G.A.A. Al-Hazmi	95
Effectiveness of tumor electrochemotherapy as a function of electric pulse strength and duration S. Šatkauskas, D. Batiuskaitė, S. Šalomskaitytė-Davalgienė and M.S. Venslauskas	105
Electrophilic properties of nitroheterocyclic compounds. Potential hypoxic cells radiosensitizers A. Zięba-Mizgała, A. Puszko, A. Regiec and J. Kuduk-Jaworska	113
The effect of high frequency electric pulses on muscle contractions and antitumor efficiency <i>in vivo</i> for a potential use in clinical electrochemotherapy D. Miklavčič, G. Pucihar, M. Pavlovec, S. Ribarič, M. Mali, A. Maček-Lebar, M. Petkovšek, J. Nastran, S. Kranjc, M. Čemažar and G. Serša	121

Control of heme peptide activity by using phase transition polymers modified with inhibitors K. Komori, H. Matsui and T. Tatsuma	129
A multiwall carbon nanotubes film-modified carbon fiber ultramicroelectrode for the determination of nitric oxide radical in liver mitochondria Y. Wang, Q. Li and S. Hu	135
The effect of interaction between K^+ ions and gramicidin D on the lecithin membrane interfacial tension A.D. Petelska, M. Naumowicz and Z.A. Figaszewski.	143
Electrochemical detection of xenoestrogenic and antiestrogenic compounds using a yeast two-hybrid-17- β -estradiol system A. Schwartz-Mittelman, A. Baruch, T. Neufeld, V. Buchner and J. Rishpon	149
The electrochemical behaviour of ferrocene in a photocurable poly(methyl methacrylate-co-2-hydroxyethyl methacrylate) film for a glucose biosensor L.S. Bean, L.Y. Heng, B.M. Yamin and M. Ahmad.	157
Effect of the shape of human erythrocytes on the evaluation of the passive electrical properties of the cell membrane A. Di Biasio and C. Cametti.	163
Author Index to Volume 65	I
Subject Index to Volume 65.	III
Contents of Volume 65	VII

The publisher encourages the submission of articles in electronic form thus saving time and avoiding rekeying errors. Please refer to the online version of the Guide for Authors at <http://www.elsevier.com/locate/bioelechem>.