

Contents of Volume 61

Vol. 61 Nos. 1–2

Electrochemistry of nano-scale bacterial surface protein layers on gold M. Handrea, M. Sahre, A. Neubauer, U.B. Sleytr and W. Kautek	1
Electrical breakdown of human erythrocytes: a technique for the study of electro-haemolysis L.D. Oliver and H.G.L. Coster	9
Impedance analysis of phosphatidylcholine membranes modified with gramicidin D M. Naumowicz and Z. Figaszewski	21
Electrochemical and electrocatalytic properties of myoglobin and hemoglobin incorporated in carboxymethyl cellulose films H. Huang, P. He, N. Hu and Y. Zeng	29
Investigation of electrochemical properties of FMN and FAD adsorbed on titanium electrode R. Garjonyte, A. Malinauskas and L. Gorton	39
Studies on electrochemical properties and scavenge of superoxide anion in aprotic media by using carbon nanotubes powder microelectrode Y. Wei, X. Ji, X. Dang and S. Hu	51
Sequential-injection stripping analysis of nifuroxime using DNA-modified glassy carbon electrodes N. Diab, A. AbuZuhri and W. Schuhmann	57
Sub-microsecond, intense pulsed electric field applications to cells show specificity of effects P.S. Hair, K.H. Schoenbach and E.S. Buescher	65
Energetics and mechanisms of high efficiency of charge separation and electron transfer processes in <i>Rhodobacter sphaeroides</i> reaction centers V.Z. Paschenko, V.V. Gorokhov, P.P. Knox, P.M. Krasilnikov, H. Redlin, G. Renger and A.B. Rubin	73
Monitoring of water content and water distribution in ischemic hearts M. Schaefer, W. Gross, M. Preuss, J. Ackemann and M.M. Gebhard	85
Electromagnetic acceleration of the Belousov–Zhabotinski reaction M. Blank and L. Soo	93
Theoretical analysis of the thermal effects during in vivo tissue electroporation R.V. Davalos, B. Rubinsky and L.M. Mir	99

Book reviews

Biological Effects of Electromagnetic Fields (Mechanisms, Modeling, Biological Effects, Therapeutic Effects, International Standards, Exposure Criteria) J. Sühnel and H. Berg	109
Bioinformatik. Methoden zur Vorhersage von RNA- und Proteinstrukturen (Bioinformatics. Methods for RNA and protein structure prediction) J. Sühnel	110
Author Index to Volumes 61	I
Subject Index to Volumes 61	III
Contents of Volumes 61	V