

Contents

Short Communications

- Reactivity of methemoglobin immobilized on TiO₂ nanoparticle films
E.V. Milsom, H.A. Dash, A.T.A. Jenkins, M. Opallo and F. Marken 1
- Synthesis and characterization of new electroactive polypyrrole–chondroitin sulphate A substrates
J. Serra Moreno, S. Panero, M. Artico and P. Filippini 3

Research Articles

- Spectroelectrochemistry of the redox activation of anti-cancer drug mitoxantrone
M. Enache, C. Bendic and E. Volanschi 10
- A selective dopamine biosensor based on AgCl@polyaniline core–shell nanocomposites
W. Yan, X. Feng, X. Chen, X. Li and J.-J. Zhu 21
- Hybridization biosensor using 2,9-dimethyl-1,10-phenantroline cobalt as electrochemical indicator for detection of hepatitis B virus DNA
C. Ding, F. Zhao, M. Zhang and S. Zhang 28
- Tyrosine side chains as an electrochemical probe of stacked β -sheet protein conformations
A. Loksztajn, W. Dzwolak and P. Krysiński 34
- Magnetic fields of 10mT and 120mT change cell shape and structure of F-actins of periodontal ligament cells
C. Xu, Z. Fan, Y.-L. Chao, L. Du and F.-Q. Zhang 41
- 3,3'-diaminobenzidine (DAB)–H₂O₂–HRP voltammetric enzyme-linked immunoassay for the detection of carcinoembryonic antigen
S. Zhang, J. Yang and J. Lin 47
- In situ* evaluation of heavy metal–DNA interactions using an electrochemical DNA biosensor
S.C.B. Oliveira, O. Corduneanu and A.M. Oliveira-Brett 53
- Affecting of aquatic vascular plant *Lemna minor* by cisplatin revealed by voltammetry
V. Supalkova, M. Beklova, J. Baloun, C. Singer, B. Sures, V. Adam, D. Huska, J. Pikula, L. Rauscherova, L. Havel, J. Zehnalek and R. Kizek 59
- Kinetic studies of glucose oxidase in polyelectrolyte multilayer films by means of scanning electrochemical microscopy (SECM)
M. Burchardt and G. Wittstock 66
- Apoferitin as a bionanomaterial to facilitate the electron transfer reactivity of hemoglobin and the catalytic activity towards hydrogen peroxide
G. Chen, X. Zhu, F. Meng, Z. Yu and G. Li 77
- The effects of UV radiation on anodic wave of human serum
G. Atun and H.N. Haznedaroğlu 81
- Electropolymerization of negatively charged Ni(II) complex for the selective determination of dopamine in the presence of ascorbic acid
G.-R. Xu, M.-L. Xu, J.-M. Zhang, S. Kim and Z.-U. Bae 87
- Relationship between radial diffusion of copper ions released from a metal disk and cytotoxic effects. Comparison with results obtained using extracts
M.D. Pereda, M. Reigosa and M. Fernández Lorenzo de Mele 94
- Fabrication of Prussian Blue modified ultramicroelectrode for GOD imaging using scanning electrochemical microscopy
J. Li and J. Yu 102

Voltammetric determination of terbinafine in biological fluid at glassy carbon electrode modified by cysteic acid/carbon nanotubes composite film C. Wang, Y. Mao, D. Wang, G. Yang, Q. Qu and X. Hu	107
---	-----

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>