

ANALYTICA CHIMICA ACTA

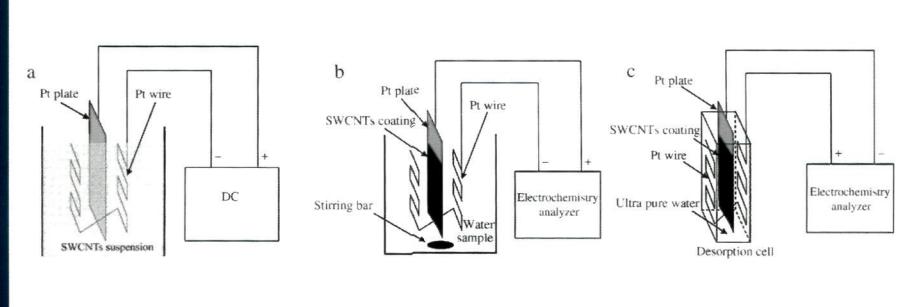
AN INTERNATIONAL JOURNAL DEVOTED TO ALL BRANCHES OF ANALYTICAL CHEMISTRY

EDITORS:

RICHARD P. BALDWIN
NEIL W. BARNETT
WOLFGANG BUCHBERGER
LUTGARDE BUYDENS
PURNENDU K. DASGUPTA
ULRICH J. KRULL
JAMES P. LANDERS
LIANG LI
JANUSZ PAWLISZYN
PAUL J. WORSFOLD

REVIEW EDITOR:

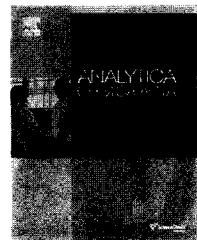
MANUEL MIRÓ

**Review Article**

Electrochemically prepared solid-phase microextraction coatings—
A review

Mohammad Ovais Aziz-Zanjani and Ali Mehdinia

(Published on pp. 1–13 of this issue)

available at www.sciencedirect.com**SciVerse ScienceDirect**journal homepage: www.elsevier.com/locate/aca

CONTENTS

Abstracted/indexed in: Aluminium Abstracts; Anal. Abstr.; Biol. Abstr.; BIOSIS; Chem. Abstr.; Curr. Contents Phys. Chem. Earth Sci.; Engineered Materials Abstracts; Excerpta Medica; Index Med.; Life Sci.; Mass Spectrum. Bull.; Material Business Alerts; Metals Abstracts; Sci. Citation Index
Full texts are incorporated in CJELSEVIER, a file in the Chemical Journals Online database available on STN International. Also covered in the abstract and citation database SciVerse SCOPUS®. Full text available on SciVerse ScienceDirect®.

Review articles

- Electrochemically prepared solid-phase microextraction coatings—A review
M.O. Aziz-Zanjani and A. Mehdinia (Tehran, Iran) 1

- Warping methods for spectroscopic and chromatographic signal alignment: A tutorial
T.G. Bloemberg, J. Gerretzen, A. Lunshof (Nijmegen, The Netherlands), R. Wehrens (San Michele all'Adige, Italy) and L.M.C. Buydens (Nijmegen, The Netherlands) 14

Chemometrics

- Nuclear magnetic resonance metabonomic profiling using tO2PLS
G.M. Kirwan (City Campus, Australia and Kyoto, Japan), T. Hancock (Kyoto, Japan), K. Hassell (Bundoora, Australia), J.O. Niere (City Campus, Australia), D. Nugegoda (Bundoora, Australia), S. Goto (Kyoto, Japan) and M.J. Adams (City Campus, Australia) 33

Electrochemistry

- Direct electrochemistry with enhanced electrocatalytic activity of hemoglobin in hybrid modified electrodes composed of graphene and multi-walled carbon nanotubes
W. Sun (Haikou, China and Qingdao, China), L. Cao, Y. Deng, S. Gong (Qingdao, China), F. Shi, G. Li and Z. Sun (Haikou, China) 41

Synthesis and electrocatalytic activity of haemin-functionalised iron(II, III) oxide nanoparticles

- Z.-Z. Yin (Jiaxing, PR China and Nanjing, PR China), Y. Li, L.-P. Jiang (Nanjing, PR China), R.K. Rana (Hyderabad, India) and J.-J. Zhu (Nanjing, PR China) 48

Flow Analysis

- At-line bioprocess monitoring by immunoassay with rotationally controlled serial siphoning and integrated supercritical angle fluorescence optics
C.E. Nwankire, G.G. Donohoe, X. Zhang, J. Siegrist, M. Somers, D. Kurzbuch, R. Monaghan, M. Kitsara, R. Burger, S. Hearty (Dublin, Ireland), J. Murrell, C. Martin, M. Rook (Bedford, MA, USA), L. Barrett, S. Daniels, C. McDonagh, R. O'Kennedy and J. Docrée (Dublin, Ireland) 54

Mass Spectrometry

- Simultaneous determination of 19 triazine pesticides and degradation products in processed cereal samples from Chinese total diet study by isotope dilution-high performance liquid chromatography-linear ion trap mass spectrometry
P. Li, X. Yang, H. Miao, Y. Zhao (Beijing, China), W. Liu (Jinan, China) and Y. Wu (Beijing, China) 63

Sensors and Bioselective Reagents

- Sensitivity of microarray based immunoassays using surface-attached hydrogels
M. Moschallski, A. Evers, T. Brandstetter and Jürgen Rühe (Freiburg, Germany) 72

Separation Methods

- On-line simultaneous and rapid separation of anions and cations from a single sample using dual-capillary sequential injection-capillary electrophoresis
A.J. Gaudry (Tasmania, Australia), R.M. Guijt (Hobart, Australia), M. Macka, J.P. Hutchinson, C. Johns, E.F. Hilder, G.W. Dicinoski, P.N. Nesterenko, P.R. Haddad and M.C. Breadmore (Tasmania, Australia) 80