Research Papers

Dependence of Photoelectron Diffraction of Single Molecule Adsorbing Ni(111) Surface on the Sources of Cr-Kα and Al-Kα Lines

Hitoshi NAKAMURA, Keiji TAMURA, Hideshi ISHII, Masanori OWARI, Chuhei OSHIMA and Yoshimasa NIHEI 859

Ion-Transfer Voltammetry of Histamine and Anti-Histamine Drugs at an Oil/Water Interface

Ryui TSUKAMOTO and Fumiyo KUSU 865

Flow-Injection Spectrophotometry of Cadmium in River Water with Tetraphenyl-Porphinethesulfonic Acid Using On-Line Electrolytic Preconcentration

Masashi ITO, Masayuki ITAGAKI and Kunihiro WATANABE 873

Notes

Decomposition of Methylene Blue by New Porous Photocatalysts and Analysis of Decomposed Products Using High-Performance Liquid Chromatography and Mass Spectrometry

Satoshi HORIKI, Norio TESIMA, Yurie SARUKI, Harumitsu NISHIKAWA and Tadao SAKAI 881

Adsorption of Mercury on Used Tea Leaves and Coffee Beans

Takaji KIQHARA, Katsuro ANAZAWA, Hayao SAKAMOTO and Takashi TOMIYASU 887

Laser Pyrolysis Gas Chromatography System Using a Pulsed Nd : YAG Laser and Its Analytical Performance

Hisako MURAKAMI, Hironori KURATA and Mikio KUZUNA 891

Simple Spectrophotometric Determination of Nonionic Surfactants with a Cationic Azo Dye

Maiko NAKATA, Yoshiyuki MURATA, Mikiko TADA and Yasuaki SHIMOISHI 899

Separation of Catechins by Temperature-Responsive Chromatography

Chikako SAKAMOTO, Yuji OKADA, Hideko KANAZAWA, Akihiro KIKUCHI and Teruo OKANO 903

Solvent Effect on the UV-Vis Absorption Spectra of an Alkylquinolinium Salt of [Ni(dmit)₂]

Jun IWATA, Yuji SONETA and Kazuo MIYAMURA 907

Technical Letters

An Attempt to Verify the Restoration of Underground Water Veins by Using a Strontium Tracer

Shin-ichi NagASHIMA, Yoshiro YANO and Toshihiko TAKURA 911

In-Tube Solid-Phase Microextraction/Electrothermal Atomic Absorption Spectrometry of Copper(II) Using Teflon Tube after Complexation with Oxine-5-sulfonate

Kohki KOBAYASHI, Isoshi NUKATSUKA, Fumihide MIYASHITA and Kunio OHZEKI 917

Research Papers

Liquid Chromatography/Mass Spectrometric Analysis of 2-Nitrophenylhydrazide Derivatives of Low-Molecular Organic Acids

Hiroki SAITO and Keiji GAMOH 923

Technical Papers

Determination of Trace Refractory Metal Elements in High-Purity Iron by Inductively Coupled Plasma Mass Spectrometry

Kunikazu IDE, Yoshihiko NAKAMURA, Shin-ichi HASEGAWA and Hitoshi YAMAGUCHI 931

Notes

Reaction between pH Indicators with a Large pKₐ Value and Human Serum Albumin and Its Application to the Determination of the Serum Albumin Concentration

Yuji SUZUKI 939
Technical Letters
Comparison between Passive and Active Samplers for the Determination of Formaldehyde in Indoor Air by Field Test .......... Hideaki Kitami, Tetsuo Watanabe, Takio Kitahara, Yoshimi Ishihara and Jiro Takano 945
Determination of $^{210}$Pb, $^{210}$Po, $^{232}$Th, $^{228}$Th, $^{238}$U, $^{230}$U and $^{234}$U with Alpha Ray Spectrometry in Manganese Nodule Standard Rock Sample JMN-1 ........................................... Tsutomu Miura, Kazuhiko Nakayama and Hiroshi Kirita 951
Dissolution Procedures for Several Vanadium Alloys in Inductively Coupled Plasma-Optical Emission Spectrometry ...... Yüetsu Danzaki and Kazuaki Wagatsuma 955

Short Communication
Control of the Elution Order of Enantiomers by Light Irradiation Using Azobenzene-Modified Chiral Stationary Phases in Micro Liquid Chromatography .................................................. Tamiyuki Igari, Tatsuro Nakagama, Katsumi Uehyama and Toshiyuki Hobo 959

Digest of Doctoral Dissertation
Formation and Aggregation of Palladium(II)-Pyridylazo Complex at Liquid-Liquid Interface ........................................ Akira Ohashi 963

Contents of Analytical Sciences (Vol. 19, No. 9, 2003)

The Japan Society for Analytical Chemistry
26-2, Nishigotanda 1-chome, Shinagawa-ku, Tokyo 141-0031, JAPAN
URL=http://wwwsoc.nii.ac.jp/jsac/contentsbk_e.html
© 2003

Notice about photocopying. In order to photocopy any work from this publication, you or your organization must obtain permission from the following organization which has been delegated for copyright for clearance by the copyright owner of this publication. [Except in the USA] Japan Academic Association for Copyright Clearance (JAACC), 41-6, Akasaka 9-chome, Minato-ku, Tokyo 107-0052, Japan (Phone: 81-3-3475-5618 Fax: 81-3-3475-5619, E-mail: naka-atsu@mju.biglobe.ne.jp). [In the USA] Copyright Clearance Center Inc., 222 Rosewood Drive, Danvers, MA 01923, USA (Phone: 978-750-8400 Fax: 978-750-4744).