

Bibliography of analytical, nutritional and clinical methods

(4 weeks journals. Search completed at 21st Feb. 2007)

1. Reviews

Lacorte S, Fernandez-Albaz AR// IIQAB - CSIC, Dept Environm Chem, Jordi Girona 18-26, ES-08034 Barcelona, Catalonia, Spain
Mass Spectrom Rev 2006 **25** (6) 866
Time of flight mass spectrometry applied to the liquid chromatographic analysis of pesticides in water and food

Lagarda MJ, Garcia-Llatas G, Farre R*// *Univ Valencia, Fac Pharm, ES-46003 Burjassot, Spain
J Pharm Biomed Anal 2006 **41** (5) 1486
Analysis of phytosterols in foods

MacDonald-Wicks LK, Wood LG, Garg ML*// *Univ Newcastle, Sch Biomed Sci, Rm 305C, Med Sci Bldg, Callaghan, NSW 2308, Australia
J Sci Food Agric 2006 **86** (13) 2046
Methodology for the determination of biological antioxidant capacity *in vitro*: A review

Moreno DA, Carvajal M, Lopez-Berenguer C, Garcia-Viguera C*// *CEBAS-CSIC, Dept Ciencia & Tecnol Alimentos, Apartado 164, ES-30100 Murcia, Spain
J Pharm Biomed Anal 2006 **41** (5) 1508
Chemical and biological characterisation of nutraceutical compounds of broccoli

Nacz M, Shahidi F*// *Mem Univ Newfoundland, Dept Biochem, St John, Newfoundland, Canada A1B 3X9
J Pharm Biomed Anal 2006 **41** (5) 1523
Phenolics in cereals, fruits and vegetables: Occurrence, extraction and analysis

Penalvo JL, Nurmi T// Univ Helsinki, Inst Prevent Med Nutr & Canc, Folkhalsan Res Ctr, Biomedicum, POB 63, FI-00014 Helsinki, Finland
J Pharm Biomed Anal 2006 **41** (5) 1497
Application of coulometric electrode array detection to the analysis of isoflavonoids and lignans

Peres B, Barlet N, Loiseau G, Montet D*// *CIRAD-Amis, UR 24 Food Qual, TA 40/16, 73 rue Jean-Francois Breton, FR-34398 Montpellier 5, France
Food Control 2007 **18** (3) 228
Review of the current methods of analytical traceability allowing determination of the origin of foodstuffs

Pico Y, Font G, Ruiz MJ, Fernandez M// Univ Valencia, Fac Farm, Lab Bromatol & Toxicol, Av Vicent Andres Estelles s/n, ES-46100 Burjassot, Valencia, Spain
Mass Spectrom Rev 2006 **25** (6) 917
Control of pesticide residues by liquid chromatography-mass spectrometry to ensure food safety

Silvan JM, Van de Lagemaat J, Olano A, Del Castillo MD*// *Inst Fermentaciones Ind - CSIC, C/ Juan Cierva 3, ES-28006 Madrid, Spain
J Pharm Biomed Anal 2006 **41** (5) 1543
Analysis and biological properties of amino acid derivatives formed by Maillard reaction in foods

Wood LG, Gibson PG, Garg ML*// *University Newcastle, School Biomedical Science, Nutraceut Research Grp, Med Sci Bldg, Callaghan, NSW 2308, Australia
J Sci Food Agric 2006 **86** (13) 2057
A review of the methodology for assessing *in vivo* antioxidant capacity

2. General

Di Pinto A, Forte V, Guastadisegni MC, Martino C, Schena FP, Tantillo G// Univ Bari, Fac Med Vet, Dipt Sanita & Benessere Anim, IT-70010 Bari, Italy
Food Control 2007 **18** (1) 76
A comparison of DNA extraction methods for food analysis

3. Amino acids, proteins & enzymes

Albillos SM, Busto MD, Perez-Mateos M, Ortega N*// *Univ Burgos, Dept Biotechnol & Food Sci, Plaza Misael Banuelos s/n, ES-09001 Burgos, Spain
J Agric Food Chem 2006 **54** (21) 8281

Prediction of the ripening times of ewe's milk cheese by multivariate regression analysis of capillary electrophoresis casein fractions

Carrera M, Canas B, Pineiro C, Vazquez J, Gallardo JM// Inst Invest Marinas Punta Betin, Eduardo Cabello 6, ES-36208 Vigo, Pontevedra, Spain
Proteomics 2006 **6** (19) 5278

Identification of commercial hake and grenadier species by proteomic analysis of the parvalbumin fraction

Iglesias MT, Martin-Alvarez PJ, Polo MC, De Lorenzo C, Pueyo E*// *Inst Fermentaciones Ind - CSIC, Juan Cierva 3, ES-28006 Madrid, Spain
J Agric Food Chem 2006 **54** (21) 8322

Protein analysis of honeys by fast protein liquid chromatography: Application to differentiate floral and honeydew honeys

Song J, Braun G, Bevis E, Doncaster K// Agr & Agri-Food Canada, Atlantic Food & Hort Res Ctr, 32 Main St, Kentville, Nova Scotia, Canada B4N 1J5
Electrophoresis 2006 **27** (15) 3144

A simple protocol for protein extraction of recalcitrant fruit tissues suitable for 2-DE and MS analysis

Wei Q, Li Y, Dong W, Du B// Jinan Univ, Sch Chem & Chem Engr, CN-250022 Jinan, Peoples Rep China
J AOAC Int 2006 **89** (5) 1353

Determination of protein in milk powder using 2-sulphophenylazo-rhodanine as a probe by the enhanced resonance Rayleigh light-scattering technique

Zhou P, Regenstein JM*// *Cornell Univ, Dept Food Sci, Ithaca, NY, USA
J Food Sci 2006 **71** (8) C474

Determination of total protein content in gelatin solutions with the Lowry or Biuret assay

4. Carbohydrates

Paredes E, Maestre SE, Prats S, Todoli JL*// *Univ Alicante, Dept Quim Anal Nutr & Bromatol, ES-03080 Alicante, Spain
Anal Chem 2006 **78** (19) 6774

Simultaneous determination of carbohydrates, carboxylic acids, alcohols, and metals in foods by high-performance liquid chromatography inductively coupled plasma atomic emission spectrometry

Salesse C, Battu S*, Begaud-Grimaud G, Cledat D, Cook-Moreau J, Cardot PJP// *Univ Limoges, Lab Chim Anal, 2 rue Dr Marcland, FR-87025 Limoges, France
J Chromatogr A 2006 **1129** (2) 247

Sedimentation field flow fractionation monitoring of bimodal wheat starch amylolysis

As a service to subscribers of Food Chemistry, this bibliography contains newly published material in the field of analytical, nutritional and clinical methods. The bibliography is divided into fourteen sections: 1 Reviews; 2 General; 3 Amino acids, proteins & enzymes; 4 Carbohydrates; 5 Lipids; 6 Vitamins & co-factors; 7 Trace elements & minerals; 8 Drug, biocide & processing residues; 9 Toxins/Allergens; 10 Additives; 11 Flavours & aromas; 12 Organic acids; 13 Animal products; 14 Plant & microbial products. Within each section, articles are listed in alphabetical order with respect to the author. Where there are no papers to appear under a heading, it will be omitted.

Sirisomboon P, Tanaka M, Fujita S, Kojima T// King Mongkuts Inst Technol, Fac Engr, Dept Agr Engr, TH-10520 Bangkok, Thailand
J Food Eng 2007 **78** (2) 701
 Evaluation of pectin constituents of Japanese pear by near infrared spectroscopy

5. Lipids

Destailats F, De Wispelaere M, Joffre F, Golay PA, Hug B, Giuffrida F, Fauconnot L, Dionisi F// Nestle Res Ctr, Vers-chez-les-Blanc, POB 44, CH-1000 Lausanne 26, Switzerland

J Chromatogr A 2006 **1131** (1-2) 227

Authenticity of milk fat by fast analysis of triacylglycerols - Application to the detection of partially hydrogenated vegetable oils

Gomez-Ariza JL, Arias-Borrego A, Garcia-Barrera T, Beltran R// Univ Huelva, Fac Ciencias Expt, Dept Quim & Ciencias Mat, Campus El Carmen, ES-21007 Huelva, Spain

Talanta 2006 **70** (4) 859

Comparative study of electrospray and photospray ionization sources coupled to quadrupole time-of-flight mass spectrometer for olive oil authentication

Kalo PJ, Ollilainen V, Rocha JM, Malcata FX// Univ Helsinki, Dept Appl Chem & Microbiol, Latokartanonkaari 11, FI-00014 Helsinki, Finland

Int J Mass Spectrom 2006 **254** (1-2) 106

Identification of molecular species of simple lipids by normal phase liquid chromatography-positive electrospray tandem mass spectrometry, and application of developed methods in comprehensive analysis of low erucic acid rapeseed oil lipids

Mondello L, Tranchida PQ, Dugo P, Dugo G// Univ Messina, Fac Farm, Dipt Farmacochim, Viale Annunziata, IT-98168 Messina, Italy

J Pharm Biomed Anal 2006 **41** (5) 1566

Rapid, micro-scale preparation and very fast gas chromatographic separation of cod liver oil fatty acid methyl esters

Sorensen LK// Steins Lab, Blomstervej 1, DK-8381 Tilst, Denmark

Rapid Commun Mass Spectrom 2006 **20** (24) 3625

A liquid chromatography/tandem mass spectrometric approach for the determination of gangliosides GD3 and GM3 in bovine milk and infant formulae

Srisawasdi P, Jearanaikoon P, Wetprasit N, Sriwanthana B, Kroll MH, Lolekha PH// Mahidol Univ, Ramathibodi Hosp, Fac Med, Dept Pathol, Div Clin Chem, Rama VI Rd, Rajthevee, TH-10400 Bangkok, Thailand

Clin Chim Acta 2006 **372** (1-2) 103

Application of *Streptomyces* and *Brevibacterium* cholesterol oxidase for total serum cholesterol assay by the enzymatic kinetic method

Xie WL, Li HT// Henan Univ Technol, Sch Chem & Chem Engr, CN-450052 Zhengzhou, Peoples Rep China

J Am Oil Chem Soc 2006 **83** (10) 869

Hydroxyl content and refractive index determinations on transesterified soybean oil

6. Vitamins & co-factors

Aranda M, Morlock G// *Univ Hohenheim, Inst Food Chem, Garbenstr 28, DE-70599 Stuttgart, Germany

J Chromatogr A 2006 **1131** (1-2) 253

Simultaneous determination of riboflavin, pyridoxine, nicotinamide, caffeine and taurine in energy drinks by planar chromatography-multiple detection with confirmation by electrospray ionization mass spectrometry

Howe JA, Tanumihardjo SA// Univ Wisconsin, Dept Nutr Sci, 1415 Linden Dr, Madison, WI 53706, USA

J Agric Food Chem 2006 **54** (21) 7992

Evaluation of analytical methods for carotenoid extraction from biofortified maize (*Zea mays* sp.)

Karpinska J, Mikoluc B, Motkowski R, Piotrowska-Jastrzebska J// Univ Bialystok, Inst Chem, ul Hurtowa 1, PL-15399 Bialystok, Poland

J Pharm Biomed Anal 2006 **42** (2) 232

HPLC method for simultaneous determination of retinol, α -tocopherol and coenzyme Q₁₀ in human plasma

Salimi A, Mamkhezri H, Hallaj R// Kurdistan Univ, Dept Chem, POB 416, Sanandaj, Iran

Talanta 2006 **70** (4) 823

Simultaneous determination of ascorbic acid, uric acid and neurotransmitters with a carbon ceramic electrode prepared by sol-gel technique

Sha YF, Qian L, Ma Y, Bai HX, Yang XR// *Acad Sinica, Changchun Inst Appl Chem, State Key Lab Electroanal Chem, Remin St 5625, CN-130022 Changchun, Peoples Rep China

Talanta 2006 **70** (3) 556

Multilayer films of carbon nanotubes and redox polymer on screen-printed carbon electrodes for electrocatalysis of ascorbic acid

7. Trace elements & minerals

Ayouni L, Barbier F, Imbert JL, Gauvrit JY, Lanteri P, Grenier-Loustalot MF// *CNRS USR 59, Serv Cent Anal, Chemin Canal, BP 22, FR-69390 Vernaison, France

Anal Bioanal Chem 2006 **385** (8) 1504

New separation method for organic and inorganic selenium compounds based on anion exchange chromatography followed by inductively coupled plasma mass spectrometry

Cankur O, Yathavakilla SKV, Caruso JA// *Univ Cincinnati, McMicken Coll Arts & Sci, Dept Chem, 507A Rieveschl Hall, POB 210172, Cincinnati, Oh 45220, USA

Talanta 2006 **70** (4) 784

Selenium speciation in dill (*Anethum graveolens* L.) by ion pairing reversed phase and cation exchange HPLC with ICP-MS detection

D'Illo S, Violante N, Di Gregorio M, Senofonte O, Petrucci F// Ist Super Sanita, Dept Environm & Primary Prevent, Viale Regina Elena 299, IT-00161 Rome, Italy

Anal Chim Acta 2006 **579** (2) 202

Simultaneous quantification of 17 trace elements in blood by dynamic reaction cell inductively coupled plasma mass spectrometry (DRC-ICP-MS) equipped with a high-efficiency sample introduction system

Gangidi RR, Metzger LE// *University Minnesota, Department Food Science & Nutrition, Minnesota-South Dakota Dairy Foods Research Center, St Paul, Mn 55108, USA

J Dairy Sci 2006 **89** (11) 4105

Ionic calcium determination in skim milk with molecular probes and front-face fluorescence spectroscopy: Simple linear regression

Kazi TC, Afridi HI, Jamali MK, Kazi GH, Arain MB, Jailbani N, Sarfraz RA, Shar GQ// University Sindh, Ctr Excellence Anal Chem, PK-76080 Jamshoro, Pakistan

J AOAC Int 2006 **89** (5) 1410

Effect of ultrasound agitation on the release of heavy elements in certified reference material of human hair (CRM BCR 397)

Norouzi P, Ganjali MR, Faridbod F, Salavati-Niasari M// Univ Tehran, Fac Chem, CEE, Tehran, Iran

Bull Korean Chem Soc 2006 **27** (9) 1439

Determination of copper in black, red pepper and the waste water samples by a highly selective sensitive Cu(II) microelectrode based on a new hexadentates Schiff's base

Ozcan MM// University Selcuk, Fac Agr, Dept Food Engr, TR-42031 Konya, Turkey

Grasas Aceites 2006 **57** (2) 211

Determination of the mineral compositions of some selected oil-bearing seeds and kernels using inductively coupled plasma atomic emissions spectrometry (ICP-AES)

Quintana M, Klouda AD, Gondikas A, Ochsenkuhn-Petropoulou M, Michalke B// *GSF - Natl Res Ctr Environm & Hlth, Inst Ecol Chem, DE-85764 Neuherberg, Germany

Anal Chim Acta 2006 **573-574** 172

Analysis of size characterized manganese species from liver extracts using capillary zone electrophoresis coupled to inductively coupled plasma mass spectrometry (CZE-ICP-MS)

Samadi-Maybodi A, Atashbozorg E// Mazandaran Univ, Fac Basic Sci, Dept Chem, Babol Sar, Iran

Talanta 2006 **70** (4) 756

Quantitative and qualitative studies of silica in different rice samples grown in north of Iran using UV-vis, XRD and IR spectroscopy techniques

Somashekar BS, Ijare OB, Gowda GAN*, Ramesh V, Gupta S, Khetrpal CL// *Sanjay Gandhi Postgrad Inst Med Sci, Ctr Biomed Magnetic Resonance, Raebareli Rd, IN-226014 Lucknow, India

Spectrochim Acta A Mol Biol Spectrosc 2006 **65** (2) 254

Simple pulse-acquire NMR methods for the quantitative analysis of calcium, magnesium and sodium in human serum

Viitak A, Volynsky AB// *Russian Acad Sci, VI Vernadskii Inst Geochem & Anal Chem, Kosygin St 19, RU-119991 Moscow, Russia

Talanta 2006 **70** (4) 890

Simple procedure for the determination of Cd, Pb, As and Se in biological samples by electrothermal atomic absorption spectrometry using colloidal Pd modifier

Yong L, Armstrong KC, Dansby-Sparks RN, Carrington NA, Chambers JQ, Xue ZL// *University Tennessee, Department Chemistry, Knoxville, Tennessee 37996, USA

Anal Chem 2006 **78** (21) 7582

Quantitative analysis of trace chromium in blood samples. Combination of the advanced oxidation process with catalytic adsorptive stripping voltammetry

8. Drug, biocide & processing residues

- Abu-El-Haj S, Bogusz MJ*, Ibrahim Z, Hassan H, Al Tufail M// *King Faisal Specialist Hosp & Res Ctr, Dept Pathol & Lab Med, POB 3354, SA-11211 Riyadh, Saudi Arabia
Food Control 2007 **18** (1) 81
Rapid and simple determination of chloropropanols (3-MCPD and 1,3-DCP) in food products using isotope dilution GC-MS
- Akre CJ, MacNeil JD// Canadian Food Inspect Agcy, 116 Vet Rd, Saskatoon, Saskatchewan, Canada S7N 2R3
JAOAC Int 2006 **89** (5) 1425
Determination of eight synthetic pyrethroids in bovine fat by gas chromatography with electron capture detection
- Bogialli S, Di Corcia A*, Lagana A, Mastrantonio V, Sergi M// *Univ La Sapienza, Dipt Chim, Piazza Aldo Moro 5, IT-00185 Roma, Italy
Rapid Commun Mass Spectrom 2007 **21** (2) 237
A simple and rapid confirmatory assay for analyzing antibiotic residues of the macrolide class and lincomycin in bovine milk and yoghurt: Hot water extraction followed by liquid chromatography/tandem mass spectrometry
- Botitsi EV, Kormali PN, Kontou SN, Economou A, Tsiipi DF**// *Gen Chem State Lab, Pesticide Residues Lab, 16 An Tsoha St, GR-11521 Athens, Greece
Anal Chim Acta 2006 **579** (1) 53
Development and validation of a new analytical method for the determination of 1,4-dichlorobenzene in honey by gas chromatography-isotope dilution mass spectrometry after steam-distillation
- Diez C, Traag WA, Zommer P, Marinero P, Atienza J// ITACyL-Agrarian Technol Inst Castilla & Leon, Lab Phys-Chem Anal, Ctra Burgos km 119, ES-47071 Valladolid, Spain
J Chromatogr A 2006 **1131** (1-2) 11
Comparison of an acetonitrile extraction/partitioning and "dispersive solid-phase extraction" method with classical multi-residue methods for the extraction of herbicide residues in barley samples
- Dunovska L, Cajka T, Hajslova J*, Holadova K// *Inst Chem Technol, Dept Food Chem & Anal, Technicka 3, CZ-16628 Prague 6, Czech Republic
Anal Chim Acta 2006 **578** (2) 234
Direct determination of acrylamide in food by gas chromatography-high-resolution time-of-flight mass spectrometry
- Hoogenboom R, Bovee T, Traag W, Hoogerbrugge R, Baumann B, Portier L, Van de Weg G, De Vries J// RIKILT - Inst Food Safety, POB 230, NL-6700 AE Wageningen, The Netherlands
Mol Nutr Food Res 2006 **50** (10) 945
The use of the DR CALUX® bioassay and indicator polychlorinated biphenyls for screening of elevated levels of dioxins and dioxin-like polychlorinated biphenyls in eel
- Huo TM, Wang LY, Liu LQ, Chu XG, Xu CL**// *Yancheng Friend Biotechnol Engrn Corp, CN-224000 Yancheng, Peoples Rep China
Anal Biochem 2006 **357** (2) 272
Rapid time-resolved fluoroimmunoassay for diethylstilbestrol residues in chicken liver
- Jen JF, Liu TC// Natl Chung Hsing Univ, Dept Chem, Taichung 40217, Taiwan
J Chromatogr A 2006 **1130** (1) 28
Determination of phthalate esters from food-contacted materials by on-line microdialysis and liquid chromatography
- Jiang Y, Xu JZ*, Shen CY, Ding T, Chen HL, Wu B, Shen WJ// *Jiangsu Entry Exit Inspection & Quarantine Bureau, APFIC, Food Lab, 99 Zhonghua Rd, CN-210001 Nanjing, Peoples Rep China
JAOAC Int 2006 **89** (5) 1432
Determination of chloramphenicol in royal jelly by liquid chromatography/tandem mass spectrometry
- Khummueng W, Trenerry C, Rose G, Marriott PJ**// *RMIT Univ, Sch Appl Sci, Australian Ctr Res Separat Sci, GPO Box 2476V, Melbourne, Vic 3001, Australia
J Chromatogr A 2006 **1131** (1-2) 203
Application of comprehensive two-dimensional gas chromatography with nitrogen-selective detection for the analysis of fungicide residues in vegetable samples
- Lu CY, Feng CH**// *Cent Taiwan Univ Sci & Technol, Dept Radiol Technol, Taichung 406, Taiwan
J Sep Sci 2006 **29** (14) 2143
On-line concentration of neomycin and screening aminoglycosides in milk by short capillary column and tandem mass spectrometry
- Maragou NC, Lampi EN, Thomaidis NS*, Koupparis MA// *University Athens, Dept Chem, Anal Chem Lab, Panepistimioupolis Zografou, GR-15711 Athens, Greece
J Chromatogr A 2006 **1129** (2) 165
Determination of bisphenol A in milk by solid phase extraction and liquid chromatography-mass spectrometry
- Nyman PJ, Morehouse KM, McNeal TP, Perfetti GA, Diachenko GW// US/FDA, Ctr Food Safety & Appl Nutr, Paint Branch Pkwy, College Park, Md, USA
JAOAC Int 2006 **89** (5) 1417
Single-laboratory validation of a method for the determination of furan in foods by using static headspace sampling and gas chromatography/mass spectrometry
- Rodríguez-Díaz RC, Fernández-Romero JM, Aguilar-Caballeros MP, Gómez-Hens A**// *Univ Cordoba, Dept Anal Chem, Marie Curie Annex Bldg, Campus Rabanales, ES-14071 Cordoba, Spain
Anal Chim Acta 2006 **578** (2) 220
Chromatographic determination of flumequine in food samples by post-column derivatisation with terbium(III)
- Schirmer C, Meisel H**// *Fed Res Ctr Nutr & Food, BfEL, Location Kiel, Inst Dairy Chem & Technol, Hermann Weigmann Str 1, DE-24103 Kiel, Germany
J Chromatogr A 2006 **1132** (1-2) 325
Synthesis of a molecularly imprinted polymer for the selective solid-phase extraction of chloramphenicol from honey
- Thurman EM, Ferrer I, Zweigenbaum JA// Univ Almeria, Dept Anal Chem, Sacramento San Urbano, ES-04120 Almeria, Spain
Anal Chem 2006 **78** (19) 6702
High-resolution and accurate mass analysis of xenobiotics in food
- Tiryaki O// Turkish Atomic Energy Commission, Applicat Dept, Saraykoy Nucl Res & Training Ctr, Agr Unit, TR-06983 Ankara, Turkey
Accredit Qual Assur 2006 **11** (10) 506
Method validation for the analysis of pesticide residues in grain by thin-layer chromatography
- Vetter W, Gleixner G// Univ Hohenheim, Inst Food Chem, Garbenstr 28, DE-70593 Stuttgart, Germany
Rapid Commun Mass Spectrom 2006 **20** (20) 3018
Compound-specific stable carbon isotope ratios ($\delta^{13}\text{C}$ values) of the halogenated natural product 2,3,3',4,4',5,5'-heptachloro-1'-methyl-1,2'-bipyrolole (Q1)
- Wenzl T, Karasek L, Rosen J, Hellenaes KE, Crews C, Castle L, Anklam E// European Commission, Joint Res Ctr, Inst Reference Mat & Measurements, Retieseweg 111, BE-2400 Geel, Belgium
J Chromatogr A 2006 **1132** (1-2) 211
Collaborative trial validation study of two methods, one based on high performance liquid chromatography-tandem mass spectrometry and on gas chromatography-mass spectrometry for the determination of acrylamide in bakery and potato products
- Xing XP, Cao YH**// *Shn Yangze Univ, Sch Chem & Mat Engr, Huihe 170, CN-214036 Wuxi, Peoples Rep China
Food Control 2007 **18** (2) 167
Determination of 3-chloro-1,2-propanediol in soy sauces by capillary electrophoresis with electrochemical detection
- Zehl M, Pittenauer E, Rizzi A, Allmaier G**// *Vienna Univ Technol, Inst Chem Technol & Anal, Getreidemarkt 9/164-IAC, AT-1060 Vienna, Austria
J Am Soc Mass Spectrom 2006 **17** (8) 1081
Characterization of moenomycin antibiotic complex by multistage MALDI-IT/RTOF-MS and ESI-IT-MS
- Zhang S, Sun FY, Li JC, Cheng LL, Shen JZ**// *China Agr Univ, Coll Vet Med, Dept Pharmacol & Toxicol, CN-100094 Beijing, Peoples Rep China
JAOAC Int 2006 **89** (5) 1437
Simultaneous determination of florfenicol and florfenicol amine in fish, shrimp, and swine muscle by gas chromatography with a microcell electron capture detector
- Zotou A, Vasilidou C// Aristotle Univ Thessaloniki, Dept Chem, Anal Chem Lab, GR-54124 Thessaloniki, Greece
Chromatographia 2006 **64** (5-6) 307
Selective determination of sulfonamide residues in honey by SPE-RP-LC with UV detection

9. Toxins/Allergens

- Abreu P, Relva A, Matthew S, Gomes Z, Morais Z// Univ Nova Lisboa, Fac Ciencias & Tecnol, Dept Quim, REQUIMTE, PT-2829-516 Caparica, Portugal
Food Control 2007 **18** (1) 40
High-performance liquid chromatographic determination of glycoalkaloids in potatoes from conventional, integrated, and organic crop systems
- Andersen B, Smedsgaard J, Jorring I, Skouboe P, Pedersen LH// Tech Univ Denmark, Ctr Microbial Biotechnol, BioCtr-DTU, Soltofts Plads Bldg 221, DK-2800 Lyngby, Denmark
Int J Food Microbiol 2006 **111** (2) 105
Real-time PCR quantification of the AM-toxin gene and HPLC qualification of toxicigenic metabolites from *Alternaria* species from apples
- Arlorio M, Cereti E, Coisson JD, Travaglia F, Martelli A// Univ Piemonte Orientale A Avogadro, DISCAFF, Via Bovio 6, Novara, Italy
Food Control 2007 **18** (2) 140
Detection of hazelnut (*Corylus spp.*) in processed foods using real-time PCR

- Etheridge S, Deeds J, Hall S, White K, Flewelling L, Abbott J, Landsberg J, Conrad S, Bodager D, Jackow G// US/FDA, 8301 Muirkirk Rd, Laurel, Mo 20708, USA
Afr J Mar Sci 2006 **28** (2) 383
 Detection methods and their limitations: PSP toxins in the southern puffer fish *Spherooides nephelus* responsible for human poisoning events in Florida in 2004
- Hernandez-Orte P, Pena-Gallego A, Ibarz MJ, Cacho J, Ferreira V// Univ Zaragoza, Fac Sci, Dept Anal Chem, Lab Flavor Anal & Enol, ES-50009 Zaragoza, Spain
J Chromatogr A 2006 **1129** (2) 160
 Determination of the biogenic amines in musts and wines before and after malolactic fermentation using 6-aminoquinolyl-*N*-hydroxysuccinimidyl carbamate as the derivatizing agent
- Hlabangana L, Hernandez-Cassou S, Saurina J// *Univ Barcelona, Dept Anal Chem, Diagonal 647, ES-08028 Barcelona, Spain
J Chromatogr A 2006 **1130** (1) 130
 Determination of biogenic amines in wines by ion-pair liquid chromatography and post-column derivatization with 1,2-naphthoquinone-4-sulphonate
- Omurtag GZ, Beyoglu D// Marmara Univ, Dept Pharmaceut Toxicol, TR-34668 Istanbul, Turkey
Food Control 2007 **18** (2) 163
 Occurrence of deoxynivalenol (vomitoxin) in beer in Turkey detected by HPLC
- Ratola N, Barros P, Simoes T, Cerdeira A, Venancio A, Alves A// *Univ Porto, Fac Engr, Dept Engr Quim, LEPAE, Rua Dr Roberto Frias, PT-4200-465 Oporto, Portugal
Talanta 2006 **70** (4) 720
 Worldwide interlaboratory study on the determination of ochratoxin A in different wine type samples
- Salter R, Douglas D, Tess M, Markovsky B*, Saul SJ// *Charm Sci Inc, 659 Andover St, Lawrence, Ma, USA
J AOAC Int 2006 **89** (5) 1327
 Interlaboratory study of the charm ROSA safe level aflatoxin M₁ quantitative lateral flow test for raw bovine milk
- Shefcheck KJ, Callahan JH, Musser SM// US/FDA, 5100 Paint Ranch Pkwy, College Park, Md 20740, USA
J Agric Food Chem 2006 **54** (21) 7953
 Confirmation of peanut protein using peptide markers in dark chocolate using liquid chromatography-tandem mass spectrometry (LC-MS/MS)
- Var I, Kabak B*, Gok F// *Cukurova Univ, Fac Agr, Dept Food Engr, TR-01330 Adana, Turkey
Food Control 2007 **18** (1) 59
 Survey of aflatoxin B₁ in helva, a traditional Turkish food, by TLC
- ## 10. Additives
- Campbell H, Nayeri G// Canadian Food Inspect Agcy, Ottawa Lab Carling, Ottawa, Ontario, Canada K1A 0C6
J AOAC Int 2006 **89** (5) 1229
 Determination of monensin, narasin, and salinomycin in mineral premixes, supplements, and animal feeds by liquid chromatography and post-column derivatization: Collaborative study
- ## 11. Flavours & aromas
- Ballabio D, Cosio MS, Mannino S, Todeschini R// Univ Milan, Dept Food Sci & Technol, Via Celoria 2, IT-20133 Milan, Italy
Anal Chim Acta 2006 **578** (2) 170
 A chemometric approach based on a novel similarity/diversity measure for the characterisation and selection of electronic nose sensors
- Barbero GF, Palma M*, Barroso CG// *Univ Cadiz, Fac Ciencias, Dept Quim Anal, Grp Invest Quim Anal Vino & Prod Agroalimentari, ES-11510 Puerto Real, Cadiz, Spain
Anal Chim Acta 2006 **578** (2) 227
 Determination of capsaicinoids in peppers by microwave-assisted extraction-high-performance liquid chromatography with fluorescence detection
- Chan ST, Yao MWY, Wong YC, Wong T, Mok CS, Sin DWM// *Hong Kong Govt Lab, Homantin Govt Office, Anal & Advisory Serv Div, Hong Kong, Peoples Rep China
Eur Food Res Technol 2006 **224** (1) 67
 Evaluation of chemical indicators for monitoring freshness of food and determination of volatile amines in fish by headspace solid-phase microextraction and gas chromatography-mass spectrometry
- Delahunty CM, Eyres G, Dufour JP// Univ Otago, Dept Food Sci, POB 56, Dunedin, New Zealand
J Sep Sci 2006 **29** (14) 2107
 Gas chromatography-olfactometry
- Fang Y, Qian MC// *Oregon State Univ, Dept Food Sci & Technol, 100 Wiegand Hall, Corvallis, Or 97331, USA
J Agric Food Chem 2006 **54** (22) 8567
 Quantification of selected aroma-active compounds in pinot noir wines from different grape maturities
- Gomez AH, Hu GX, Wang J*, Pereira AG// *Zhejiang University, Department Agricultural Engineering, 268 Kaixuan Rd, CN-310029 Hangzhou, Peoples Rep China
Comput Electron Agric 2006 **54** (1) 44
 Evaluation of tomato maturity by electronic nose
- Horie H, Yamashita K// Natl Agr & Food Res Org, Natl Inst Vegetable & Tea Sci, 360 Ano, Tsu, Mie 514 2392, Japan
J Chromatogr A 2006 **1132** (1-2) 337
 Non-derivatized analysis of methiin and alliin in vegetables by capillary electrophoresis
- Kumar PTK// Indira Gandhi Ctr Atom Res, Cent Design Off, Rm 114, IN-603102 Kalpakkam, India
Sensor Actuator B Chem 2006 **119** (1) 215
 Design of a discriminating taste sensor using mutual information
- Leonte II, Sehra G, Cole M*, Hesketh P, Gardner JW// *Univ Warwick, Sch Engr, Coventry CV4 7AL, England
Sensor Actuator B Chem 2006 **118** (1-2) 349
 Taste sensors utilizing high-frequency SH-SAW devices
- Lopez-Galilea I, Fournier N, Cid C, Guichard E// *INRA, UMR FLAVIC, 17 rue Salley, BP 86510, FR-21065 Dijon, France
J Agric Food Chem 2006 **54** (22) 8560
 Changes in headspace volatile concentrations of coffee brews caused by the roasting process and the brewing procedure
- Lvoa L, Martinelli E, Mazzone E, Pede A, Paolesse R, Di Natale C, D'Amico A// University Roma Tor Vergata, Department Chem Science & Technology, Rome, Italy
Talanta 2006 **70** (4) 833
 Electronic tongue based on an array of metallic potentiometric sensors
- Natali N, Chinnici F*, Riponi C// *Univ Bologna, Dept Food Sci, Viale Fanin 40, IT-40127 Bologna, Italy
J Agric Food Chem 2006 **54** (21) 8190
 Characterization of volatiles in extracts from oak chips obtained by accelerated solvent extraction (ASE)
- Nhu-Trang TT, Casabianca H*, Grenier-Loustalot MF// *CNRS, Serv Cent Anal, USR 59, BP 22, FR-69390 Vernaison, France
J Chromatogr A 2006 **1132** (1-2) 219
 Deuterium/hydrogen ratio analysis of thymol, carvacrol, γ -terpinene and *p*-cymene in thyme, savory and oregano essential oil by gas chromatography-pyrolysis-isotope ratio mass spectrometry
- Panigrahi S, Balasubramanian S, Gu H, Logue CM, Marchello M// Nth Dakota State Univ, Dept Agr & Biosyst Engr, 1221 Albrecht Blvd, POB 5626, Fargo, ND 58105, USA
Sensor Actuator B Chem 2006 **119** (1) 2
 Design and development of a metal oxide based electronic nose for spoilage classification of beef
- Paolesse R, Alimelli A, Martinelli E, Di Natale C, D'Amico A, D'Egidio MG, Aureli G, Ricelli A, Fanelli C// Univ Roma Tor Vergata, Dept Chem Sci & Technol, Via Ricerca Sci 1, IT-00133 Rome, Italy
Sensor Actuator B Chem 2006 **119** (2) 425
 Detection of fungal contamination of cereal grain samples by an electronic nose
- Parra V, Arrieta AA, Fernandez-Escudero JA, Rodriguez-Mendez ML*, De Saja JA// *Univ Valladolid, ETS Ingn Ind, Dept Quim Fis & Quim Inorgan, Valladolid, Spain
Sensor Actuator B Chem 2006 **118** (1-2) 448
 Electronic tongue based on chemically modified electrodes and voltammetry for the detection of adulterations in wines
- Pizarro C, Gonzalez-Saiz JM, Perez-del-Notario N// Univ La Rioja, Dept Chem, C/ Madre Dios 51, ES-26006 La Rioja, Spain
J Chromatogr A 2006 **1132** (1-2) 8
 Multiple response optimisation based on desirability functions of a microwave-assisted extraction method for the simultaneous determination of chloroanisoles and chlorophenols in oak barrel sawdust
- Poliak M, Kochman M, Gordin A, Amirav A// *Tel Aviv Univ, Sch Chem, Sackler Fac Exact Sci, IL-69978 Tel Aviv, Israel
Chromatographia 2006 **64** (7-8) 487
 A comparison of SniffProbe and SPME for aroma sampling
- Presicce DS, Forleo A, Taurino AM, Zuppa M, Siciliano P, Laddomada B, Logrieco A, Visconti A// Consiglio Nazionale Ricerca-IMM, Sezione Lecce, Lecce, Italy
Sensor Actuator B Chem 2006 **118** (1-2) 433
 Response evaluation of an E-nose towards contaminated wheat by *Fusarium poae* fungi

- Sriseadka T, Wongpornchai S*, Kitsawatpaiboon P// *Chiang Mai Univ, Fac Sci, Dept Chem, TH-50200 Chiang Mai, Thailand
J Agric Food Chem 2006 **54** (21) 8183
 Rapid method for quantitative analysis of the aroma impact compound, 2-acetyl-1-pyrroline, in fragrant rice using automated headspace gas chromatography
- Vazquez LC, Diaz-Maroto MC*, Guchu E, Perez-Coello MS// *Fac Ciencias Quim, Area Tecnol Alimentos, Campus Univ 10, ES-13071 Ciudad Real, Spain
Eur Food Res Technol 2006 **224** (1) 27
 Analysis of volatile compounds of eucalyptus honey by solid phase extraction followed by gas chromatography coupled to mass spectrometry
- Vermeulen C, Collin S*// *Univ Catholique Louvain, Unite Brasserie & Ind Alimentaires, Croix Sud 2 Bte 7, BE-1348 Louvain, Belgium
Comb Chem High Throughput Scr 2006 **9** (8) 583
 Combinatorial synthesis and screening of novel odorants such as polyfunctional thiols
- Wang L, Lee FSC, Wang XR*// *Xiamen Univ, Dept Chem, CN-361005 Xiamen, Peoples Rep China
LWT-Food Sci Technol 2007 **40** (1) 83
 Near-infrared spectroscopy for classification of licorice (*Glycyrrhiza uralensis* Fisch) and prediction of the glycyrrhizic acid (GA) content
- Warren BR, Rouseff RL, Schneider KR*, Parish ME// *Univ Florida, Dept Food Sci & Human Nutr, 359 FSHN Bldg, Newell Dr, Gainesville, FL 32611, USA
Food Control 2007 **18** (2) 179
 Identification of volatile sulfur compounds produced by *Shigella sonnei* using gas chromatography-olfactometry
- Watkins P, Wijesundera C// CSIRO, Food Futures Flagship & Food Sci Australia, Private Bag 16, Werribee, Vic 3030, Australia
Talanta 2006 **70** (3) 595
 Application of zNose™ for the analysis of selected grape aroma compounds
- Watkins P, Wijesundera C// Address as above
Aust J Dairy Technol 2006 **61** (3) 244
 A preliminary study on the application of cluster analysis to the determination of the geographical origin of cheddar cheese based on semi-volatile composition
- Wierda RL, Fletcher G, Xu L, Dufour JP*// *Univ Otago, Dept Food Sci, POB 56, Dunedin, New Zealand
J Agric Food Chem 2006 **54** (22) 8480
 Analysis of volatile compounds as spoilage indicators in fresh king salmon (*Oncorhynchus tshawytscha*) during storage using SPME-GC-MS
- Yanniotis S, Tsitziloni K, Dendrinos G, Mallouchos A// Agr Univ Athens, Dept Food Sci & Technol, GR-11855 Athens, Greece
J Food Eng 2007 **78** (3) 882
 Aroma recovery by combining distillation with absorption
- Zhang QY, Zhang SP, Xie CS*, Zeng DW, Fan CQ, Li DF, Bai ZK// *Huazhong Univ Sci & Technol, Dept Mat Sci & Engn, Wuhan, Peoples Rep China
Sensor Actuator B Chem 2006 **119** (2) 538
 Characterization of Chinese vinegars by electronic nose
- Zheng H, Jun W*// *Zhejiang Univ, Dept Agr Engr, 268 Kaixuan Rd, CN-310029 Hangzhou, Peoples Rep China
Sensor Actuator B Chem 2006 **119** (2) 449
 Electronic nose and data analysis for detection of maize oil adulteration in sesame oil
- Zougagh M, Rios A*, Valcarcel M// *Univ Castilla La Mancha, Dept Anal Chem & Food Technol, Campus Ciudad Real, ES-13004 Ciudad Real, Spain
Anal Chim Acta 2006 **578** (2) 117
 Determination of total safranal by *in situ* acid hydrolysis in supercritical fluid media: Application to the quality control of commercial saffron
- ### 13. Animal products
- Abdulmawjood A, Schonenbrucher H, Bulte M// Inst Vet Food Sci, Frankfurter Str 92, DE-35392 Giessen, Germany
JAOAC Int 2006 **89** (5) 1335
 Collaborative trial for validation of a real-time reverse transcriptase-polymerase chain reaction assay for detection of central nervous system tissues as bovine spongiform encephalopathy risk material: Part I
- Borin A, Ferrao MF, Mello C, Maretto DA, Poppi RJ*// *Univ Estadual Campinas, Inst Quim, CP 6154, BR-13083-970 Campinas, SP, Brazil
Anal Chim Acta 2006 **579** (1) 25
 Least-squares support vector machines and near infrared spectroscopy for quantification of common adulterants in powdered milk
- Copestake DEJ, Indyk HE, Otter DE*// *Fonterra Palmerston Nth, Dairy Farm Rd, Private Bag 11029, Palmerston North, New Zealand
JAOAC Int 2006 **89** (5) 1249
 Affinity liquid chromatography method for the quantification of immunoglobulin G in bovine colostrum powders
- Elizondo J, Aldunate A, Ezcurra P, Gallego I, Saigos E, Ulayar E, Izco JM*// *Inst Lactol Lekunberri-ITG Ganadero, Plazaola 23, ES-31870 Navarra, Lekunberri, Spain
Food Control 2007 **18** (3) 185
 Efficiency of the proportion of azidol on preservation in ewe's milk samples for analysis
- Kim MS, Chen YR, Kang S, Kim I, Lefcourt AM, Kim M// USDA/ARS, Beltsville Agr Res Ctr, Instrumentation & Sensing Lab, Beltsville, Md 20705, USA
Appl Spectrosc 2006 **60** (10) 1210
 Fluorescence characteristics of wholesome and unwholesome chicken carcasses
- Lopez-Andreo M, Garrido-Pertierra A, Puyet A*// *Univ Complutense Madrid, Fac Vet, Dept Bioquim & Biol Mol IV, ES-28040 Madrid, Spain
J Agric Food Chem 2006 **54** (21) 7973
 Evaluation of post-polymerase chain reaction melting temperature analysis for meat species identification in mixed DNA samples
- Rojas JMM, Serra F, Giani I, Moretti VM, Reniero F, Guillou C// Eur Commission, Joint Res Ctr, Inst Hlth & Consumer Protection, Phys & Chem Exposure Unit, BEVABS, TP281, Via Fermi 2, IT-21020 Ispra, Italy
Rapid Commun Mass Spectrom 2007 **21** (2) 207
 The use of stable isotope ratio analyses to discriminate wild and farmed gilthead sea bream (*Sparus aurata*)
- Santaclara FJ, Espineira M, Cabado AG, Aldasoro A, Gonzalez-Lavin N, Vieites JM// ANFACO-CECOPECA, Area Mol Biol & Biotechnol, ES-36310 Vigo, Pontevedra, Spain
J Agric Food Chem 2006 **54** (22) 8461
 Development of a method for the genetic identification of mussel species belonging to *Mytilus*, *Perna*, *Aulacomya*, and other genera
- ### 14. Plant & microbial products
- Almeida M, Torrance KE, Datta AK*// *Cornell Univ, Dept Biol & Environm Engr, Ithaca, NY 14853, USA
Int J Food Prop 2006 **9** (4) 651
 Measurement of optical properties of foods in near-and mid-infrared radiation
- Armstrong PR// USDA/ARS, Grain Mktg Prod Res Ctr, 1515 College Ave, Manhattan, Ks 66502, USA
Appl Eng Agric 2006 **22** (5) 767
 Rapid single-kernel NIR measurement of grain and oil-seed attributes
- Arraez-Roman D, Gomez-Caravaca AM, Gomez-Romero M, Segura-Carretero A*, Fernandez-Gutierrez A// *Univ Granada, Fac Sci, Dept Anal Chem, Res Grp FQM 297, C/ Fuentenueva s/n, ES-18071 Granada, Spain
J Pharm Biomed Anal 2006 **41** (5) 1648
 Identification of phenolic compounds in rosemary honey using solid-phase extraction by capillary electrophoresis-electrospray ionization-mass spectrometry
- Buiarelli F, Coccioli F*, Jasionowska R, Merolle M, Terracciano A// *Univ Roma La Sapienza, Dipt Chim, Ple A Moro 5, IT-00185 Rome, Italy
Chromatographia 2006 **64** (7-8) 475
 Chromatographic analysis of *trans* resveratrol in Italian wines: Comparisons between FL, UV and MS detection
- Bunzel M, Ralph J// Univ Hamburg, Inst Biochem & Food Chem, Dept Food Chem, Grindelallee 117, DE-20146 Hamburg, Germany
J Agric Food Chem 2006 **54** (21) 8352
 NMR characterization of lignins isolated from fruit and vegetable insoluble dietary fiber
- Carrasco-Pancorbo A, Gomez-Caravaca AM, Cerretani L, Bendini A, Segura-Carretero A*, Fernandez-Gutierrez A// *University Granada, Faculty Science, Dept Anal Chem, Res Grp FQM 297, C/ Fuentenueva s/n, ES-18071 Granada, Spain
J Sep Sci 2006 **29** (14) 2221
 A simple and rapid electrophoretic method to characterize simple phenols, lignans, complex phenols, phenolic acids, and flavonoids in extra-virgin olive oil
- Carrasco-Pancorbo A, Gomez-Caravaca AM, Cerretani L, Bendini A, Segura-Carretero A*, Fernandez-Gutierrez A// *Address as above
J Agric Food Chem 2006 **54** (21) 7984
 Rapid quantification of the phenolic fraction of Spanish virgin olive oils by capillary electrophoresis with UV detection
- Chaillou LL, Nazareno MA*// *Univ Nacl Santiago del Estero, Fac Agron & Agronind, Inst Ciencias Quim, Avda Belgrano S 1912, AR-4200 Santiago del Estero, Argentina
J Agric Food Chem 2006 **54** (22) 8397
 New method to determine antioxidant activity of polyphenols
- Ciosek P, Brzozka Z, Wroblewski W// Warsaw Univ Technol, Dept Anal Chem, Noakowskiego 3, PL-00664 Warsaw, Poland
Sensor Actuator B Chem 2006 **118** (1-2) 454
 Electronic tongue for flow-through analysis of beverages

- De Jager LS, Perfetti GA, Diachenko GW// US/FDA, Ctr Food Saf & Appl Nutr, 5100 Paint Branch Pkwy, College Park, Md, USA
J Pharm Biomed Anal 2006 **41** (5) 1552
 Analysis of ginkgolides and bilobalide in food products using LC-APCI-MS
- Dimitrova B, Gevrenova R*, Anklam E// *Med Univ Sofia, Fac Pharm, Dept Pharmacogn, Dunav St 2, BG-1000 Sofia, Bulgaria
Phytochem Anal 2007 **18** (1) 24
 Analysis of phenolic acids in honeys of different floral origin by solid-phase extraction and high-performance liquid chromatography
- Figueiredo LFDA, Davrieux F, Fliedel G, Rami JF, Chantreau J, Deu M, Courtois B, Mestres C// UMR PIA, Cirad, TA 40/30, Ave Agropolis, FR-34398 Montpellier, France
J Agric Food Chem 2006 **54** (22) 8501
 Development of NIRS equations for food grain quality traits through exploitation of a core collection of cultivated sorghum
- Fujiwara M, Ando I, Arifuku K// JEOL DATUM Ltd, 1156 Nakagami cho, Tokyo 196 0022, Japan
Anal Sci 2006 **22** (10) 1307
 Multivariate analysis for ¹H-NMR spectra of two hundred kinds of tea in the world
- Gamella M, Campuzano S, Reviejo AJ, Pingarron JM// *Univ Complutense Madrid, Fac Chem, Dept Anal Chem, ES-28040 Madrid, Spain
J Agric Food Chem 2006 **54** (21) 7960
 Electrochemical estimation of the polyphenol index in wines using a laccase biosensor
- Gao JJ, Xu KH, Hu JX, Huang H, Tang B// *Normal Univ, Coll Chem, Chem Engn & Mat Sci, CN-250014 Jinan, Peoples Rep China
J Agric Food Chem 2006 **54** (21) 7968
 Determination of trace hydroxyl radicals by flow injection spectrofluorometry and its analytical application
- Halim Y, Schnivartz SJ, Francis D, Baldauf NA, Rodriguez-Saona LE// *Ohio State Univ, Dept Food Sci & Technol, 110 Parker Food Sci & Technol Bldg, 2015 Fyffe Rd, Columbus, Oh 43210, USA
J AOAC Int 2006 **89** (5) 1257
 Direct determination of lycopene content in tomatoes (*Lycopersicon esculentum*) by attenuated total reflectance infrared spectroscopy and multivariate analysis
- Harbertson JF, Spayd S// Washington State Univ, Dept Food Sci & Human Nutr, Ctr Irrigated Agr Res & Extens Ctr, Prosser, Wa 99350, USA
Am J Enol Viticult 2006 **57** (3) 280
 Measuring phenolics in the winery
- Hirao T, Hiramoto M, Imai S, Kato H// House Foods Corp, Somatech Ctr, 1-4 Takanodai, Chiba 284 0033, Japan
J Food Prot 2006 **69** (10) 2478
 A novel PCR method for quantification of buckwheat by using a unique internal standard material
- Kaufmann B, Rudaz S, Cherkaoui S, Veuthey JL, Christen P// *Univ Geneva, Lab Pharmaceut Anal Chem, 20 Blvd d'Yvoy, CH-1211 Geneva 4, Switzerland
Phytochem Anal 2007 **18** (1) 70
 Influence of plant matrix on microwave-assisted extraction process. The case of diosgenin extracted from fenugreek (*Trigonella foenum-graecum* L.)
- Kimura H, Ogawa S, Jisaka M, Kimura Y, Katsube T, Yokota K// Tottori Univ, United Grad Sch Agr Sci, 4-101 Koyama Minami, Tottori 680 8533, Japan
J Pharm Biomed Anal 2006 **41** (5) 1657
 Identification of novel saponins from edible seeds of Japanese horse chestnut (*Aesculus turbinata* Blume) after treatment with wooden ashes and their nutraceutical activity
- Koizumi M, Naito S, Haishi T, Utsuzawa S, Ishida N, Kano H// Natl Food Res Inst, Tsukuba, Ibaraki 305 8642, Japan
Magn Reson Imaging 2006 **24** (8) 1111
 Thawing of frozen vegetables observed by a small dedicated MRI for food research
- Kozminski P, Brett AMO// *Univ Coimbra, Fac Ciencias & Tecnol, Dept Quim, Coimbra, Portugal
Anal Lett 2006 **39** (14) 2687
 Reversed-phase high-performance liquid chromatography with electrochemical detection of anthocyanins
- La Paz JL, Garcia-Muniz N, Nadal A, Esteve T, Puigdomenech P, Pla M// *Consorti CSIC-IRTA, Inst Biol Mol, J Girona, ES-08034 Barcelona, Spain
J AOAC Int 2006 **89** (5) 1347
 Interlaboratory transfer of a real-time polymerase chain reaction assay for quantitative detection of genetically modified maize event TC-1507
- Lan K, Jiang X*, He J// *Sichuan Univ, West China Sch Pharm, 17 Renminnan Rd, CN-610041 Chengdu, Peoples Rep China
Rapid Commun Mass Spectrom 2007 **21** (2) 112
 Quantitative determination of isorhamnetin, quercetin and kaempferol in rat plasma by liquid chromatography and its application to the pharmacokinetic study of isorhamnetin
- Li SF, Chen HQ, Wei XW, Lu XJ, Zhang L// Anhui Normal Univ, Coll Chem & Mat Sci, Key Lab Funct Mol Solids, CN-241000 Wuhu, Peoples Rep China
Microchim Acta 2006 **155** (3-4) 427
 Determination of tannic acid by flow injection analysis with inhibited chemiluminescence detection
- L'vova L, Paolesse R, Di Natale C, D'Amico A// Univ Roma Tor Vergata, Dept Chem Sci & Technol, IT-00133 Rome, Italy
Sensor Actuator B Chem 2006 **118** (1-2) 439
 Detection of alcohols in beverages: An application of porphyrin-based electronic tongue
- Martin LSMA, Castilho MC, Silveira MI// Escola Super Agraria Coimbra, PT-3040-316 Coimbra, Portugal
J Liq Chromatogr Relat Technol 2006 **29** (19) 2875
 Liquid chromatographic validation of a quantitation method for phytoestrogens, biochanin-A, coumestrol, daidzein, formononetin, and genistein, in lucerne
- Moriuchi R, Monma K*, Sagi N, Uno N, Kamata K// *Tokyo Metropolitan Inst Publ Hlth, 3-24-1 Hyakunin cho, Shinjuku ku, Tokyo 169 0073, Japan
Food Control 2007 **18** (3) 191
 Applicability of quantitative PCR to soy processed foods containing Roundup Ready Soy
- Myles AJ, Zimmerman TA, Brown SD// *Univ Delaware, Dept Chem & Biochem, Lab Chemometr, Newark, De 19716, USA
Appl Spectrosc 2006 **60** (10) 1198
 Transfer of multivariate classification models between laboratory and process near-infrared spectrometers for the discrimination of green Arabica and Robusta coffee beans
- Neilson AP, Green RJ, Wood KV, Ferruzzi MG// *Purdue Univ, Dept Food Sci, 745 Agr Mall Dr, West Lafayette, In 47907, USA
J Chromatogr A 2006 **1132** (1-2) 132
 High-throughput analysis of catechins and theaflavins by high performance liquid chromatography with diode array detection
- Ou S, Luo YL, Xue F, Huang CH, Zhang N, Liu ZL// Jinan Univ, Dept Food Sci & Engrn, CN-510632 Guangzhou, Peoples Rep China
J Food Eng 2007 **78** (4) 1298
 Separation and purification of ferulic acid in alkaline-hydrolysate from sugarcane bagasse by activated charcoal adsorption/anion macroporous resin exchange chromatography
- Pedrosa VA, Malagutti AR, Mazo LH, Avaca LA// Univ Sao Paulo, Inst Quim Sao Carlos, CP 780, BR-13560-970 Sao Carlos, SP, Brazil
Anal Lett 2006 **39** (14) 2737
 The use of boron-doped diamond electrodes for the amperometric determination of flavonoids in a flow injection system
- Ramirez P, Garcia-Risco MR, Santoyo S, Senorans FJ, Ibanez E, Reglero G// *Univ Autonoma Madrid, Fac Ciencias, Seccion Ciencias Alimentacion, Carretera Colmenar km 15, ES-28049 Madrid, Spain
J Pharm Biomed Anal 2006 **41** (5) 1606
 Isolation of functional ingredients from rosemary by preparative-supercritical fluid chromatography (Prep-SFC)
- Repolles C, Herrero-Martinez JM*, Rafols C// *Univ Barcelona, Dept Quim Anal, Diagonal 647, ES-08028 Barcelona, Spain
J Chromatogr A 2006 **1131** (1-2) 51
 Analysis of prominent flavonoid aglycones by high-performance liquid chromatography using a monolithic type column
- Rizzo M, Ventrice D, Varone MA, Sidari R, Caridi A// Univ Magna Graecia, Fac Farm, Dipt Sci Farmacobiol, Viale Europa, Localita Germaento, IT-88100 Catanzaro, Italy
J Pharm Biomed Anal 2006 **42** (1) 46
 HPLC determination of phenolics adsorbed on yeasts
- Seetohul LN, Islam M*, O'Hare WT, Ali Z// *Univ Teeside, Sch Sci & Technol, Middlesbrough TS1 3BA, England
J Sci Food Agric 2006 **86** (13) 2092
 Discrimination of teas based on total luminescence spectroscopy and pattern recognition
- Smith DS, Maxwell PW// Canadian Food Inspect Agcy, Charlottetown Lab, 93 Mt Edward Rd, Charlottetown, PE, Canada C1A 5T1
Food Control 2007 **18** (3) 236
 Use of quantitative PCR to evaluate several methods for extracting DNA from corn flour and cornstarch
- Thorngate JH// Beam Wine Estates, 1761 Atlas Peak Rd, Napa, Ca 94558, USA
Am J Enol Viticult 2006 **57** (3) 269
 Methods for analyzing phenolics in research
- Villanueva S, Vegas A, Fernandez-Escudero JA, Iniguez M, Rodriguez-Mendez ML*, De Saja JA// *Univ Valladolid, Fac Sci, Dept Condensed Matter Phys, Prado Magdalena s/n, ES-47011 Valladolid, Spain
Sensor Actuator B Chem 2006 **120** (1) 278
 SPME coupled to an array of MOS sensors - Reduction of the interferences caused by water and ethanol during the analysis of red wines