

Bibliography of analytical, nutritional and clinical methods

(5 weeks journals. Search completed at 3rd. July 2007)

3. Amino acids, proteins & enzymes

Civardi G, Curadi MC, Orlandi M, Cattaneo TMP, Giangiacomo R// Fac Med Vet, Dipt Prod Anim, Via delle Piagge 2, IT-56100 Pisa, Italy

Milchwissenschaft 2007 **62** (1) 32

Mare's milk: Monitoring the effect of thermal treatments on whey proteins stability by SDS-capillary electrophoresis (CE-SDS)

Hong SS, Park JH, Kwon SW*// *Seoul Natl Univ, Coll Pharm, Pharmaceut Sci Res Inst, Seoul 151 742, South Korea

J Chromatogr B 2007 **845** (1) 69

Determination of proteins in infant formula by high-performance liquid chromatography-electrospray tandem mass spectrometry

Huenerbein A, Schmelzer CEH, Neubert RHH// Univ Halle Wittenberg, Inst Pharmaceut & Biopharmaceut, Wolfgang Langenbeck Str 4, DE-06120 Halle/Saale, Germany

Anal Chim Acta 2007 **584** (1) 72

Real-time monitoring of peptic and tryptic digestions of bovine β -casein using quartz crystal microbalance

Van Raamsdonk LWD, Von Holst C, Baeten V, Berben G, Boix A, De Jong J// Univ Wageningen & Res Ctr, RIKILT - Inst Food Safety, POB 230, NL-6711 AE Wageningen, The Netherlands

Anim Feed Sci Technol 2007 **133** (1–2) 63

New developments in the detection and identification of processed animal proteins in feeds

4. Carbohydrates

Brunton NP, Gormley TR, Murray B// Teagasc, Ashtown Food Res Ctr, Ashtown, Dublin 15, Rep Ireland

Food Chem 2007 **104** (1) 398

Use of the alditol acetate derivatisation for the analysis of reducing sugars in potato tubers

Deshmukh B, Harfmann RG, Conklin J, Turowski M, Lynch S// Dow Chemical Company, Analytical Science Res & Dev, 1897 Anal Sci, Midland, MI 48667, USA

Food Chem 2007 **104** (2) 852

Validation of a size exclusion liquid chromatographic method for determination of methylcellulose and hydroxypropyl methylcellulose food gums as soluble dietary fiber in food and food product

Lynch JM, Barbano DM, Fleming JR// Cornell University, Department Food Science, Northeast Dairy Foods Research Center, Ithaca, New York 14853, USA

J AOAC Int 2007 **90** (1) 196

Determination of the lactose content of fluid milk by spectrophotometric enzymatic analysis using weight additions and path length adjustment: Collaborative study

Quemener B, Bertrand D, Marty I, Causse M, Lahaye M*// *INRA, UR Biopolymeres, rue Geraudiere, BP 71627, FR-44316 Nantes 03, France

J Chromatogr A 2007 **1141** (1) 41

Fast data preprocessing for chromatographic fingerprints of tomato cell wall polysaccharides using chemometric methods

5. Lipids

Arena E, Campisi S, Fallico B, Maccarone E// Univ Catania, Dipt OrtoFloro-Arbicoltura & Technol Agroalimentari, Via S Sofia 98, IT-95123 Catania, Italy

Food Chem 2007 **104** (1) 403

Distribution of fatty acids and phytosterols as a criterion to discriminate geographic origin of pistachio seeds

Cavaliere B, De Nino A, Hayet F, Lazez A, Macchione B, Moncef C, Perri E, Sindona G*, Tagarelli A// *Univ Calabria, Dipt Chim, Via P Bucci, Cubo 12/C, IT-87030 Arcavacata di Rende, CS, Italy

J Agric Food Chem 2007 **55** (4) 1454

A metabolomic approach to the evaluation of the origin of extra virgin olive oil: A convenient statistical treatment of mass spectrometric analytical data

Dais P, Spyros A, Christophoridou S, Hatzakis E, Fragaki G, Agiomyrganaki A, Salivaras E, Siragakis G, Daskalaki D, Tasioula-Margari M, Brenes M// Univ Crete, Dept Chem, NMR Lab, POB 2208, GR-71003 Iraklion, Crete, Greece

J Agric Food Chem 2007 **55** (3) 577

Comparison of analytical methodologies based on ^1H and ^{31}P NMR spectroscopy with conventional methods of analysis for the determination of some olive oil constituents

De la Torre-Carbot K, Chavez-Servin JL, Jauregui O, Castellote AI, Lamuela-Raventos RM, Fito M, Covas MI, Munoz-Aguayo D, Lopez-Sabater MC*// *Univ Barcelona, Fac Farm, Dept Nutr & Bromatol, Av Joan XXIII s/n, ES-08028 Barcelona, Spain

Anal Chim Acta 2007 **583** (2) 402

Presence of virgin olive oil phenolic metabolites in human low density lipoprotein fraction: Determination by high-performance liquid chromatography-electrospray ionization tandem mass spectrometry

Gonzaga FB, Pasquini C, Rodrigues CEC, Meirelles AJA// Univ Estadual Campinas, Inst Quim, Caixa Postal 6154, BR-13084-971 Campinas, SP, Brazil

Eur J Lipid Sci Technol 2007 **109** (1) 61

Comparison of near-infrared emission spectroscopy and the Rancimat method for the determination of oxidative stability

Hsu BY, Tsao CY, Chiou TK, Hwang PA, Hwang DF*// *Natl Taiwan Ocean Univ, Dept Food Sci, Chilung 202, Taiwan

Food Control 2007 **18** (6) 639

HPLC determination for prostaglandins from seaweed *Gracilaria gigas*

Masoum S, Malabat C, Jalali-Heravi M, Guillou C, Rezzi S, Rutledge DN*// *INA P-G, INRA UMR 214, Lab Chim Anal, 16 rue Claude Bernard, FR-75005 Paris, France

Anal & Bioanal Chem 2007 **387** (4) 1499

Application of support vector machines to ^1H NMR data of fish oils: Methodology for the confirmation of wild and farmed salmon and their origins

Ng CL, Wehling RL*, Cuppett SL// *Univ Nebraska, Dept Food Sci & Technol, Lincoln, Ne 68583, USA

J Agric Food Chem 2007 **55** (3) 593

Method for determining frying oil degradation by near-infrared spectroscopy

Nuernberg K, Dannenberger D, Ender K, Nuernberg G*// *Res Inst Biol Farm Anim, Dept Muscle Biol & Growth, Wilhelm Stahl Allee 2, DE-18196 Dummerstorf, Germany

J Agric Food Chem 2007 **55** (3) 598

Comparison of different methylation methods for the analysis of conjugated linoleic acid isomers by silver ion HPLC in beef lipids

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.

Shen J, Liu CC// *Case Western Reserve Univ, Dept Chem Engr, 10900 Euclid Ave, Cleveland, Oh 44106, USA

Sensor Actuator B Chem 2007 **120** (2) 417

Development of a screen-printed cholesterol biosensor: Comparing the performance of gold and platinum as the working electrode material and fabrication using a self-assembly approach

Zhou JH, Xue XF, Li Y, Zhang JZ, Zhao J// Minist Agr, Beeprod Qual Supervis & Inspection Testing Ctr, CN-100093 Beijing, Peoples Rep China

J AOAC Int 2007 **90** (1) 244

Optimized determination method for *trans*-10-hydroxy-2-decenoic acid content in royal jelly by high-performance liquid chromatography with an internal standard

6. Vitamins & co-factors

Ibrahim F, Parmentier C, Boudou P// *St Louis Univ Hosp, AP-HP, Unit Hormonal Biol, 1 Ave Claude Vellefaux, FR-75474 Paris 10, France

Clin Chem 2007 **53** (2) 363

Divergence in classification of 25-hydroxyvitamin D status with respect to immunoassays (Letter)

Perez-Ruiz T, Martinez-Lozano C, Garcia MD, Martin J// Univ Murcia, Fac Chem, Dept Anal Chem, ES-30071 Murcia, Spain

J Chromatogr A 2007 **1141** (1) 67

High-performance liquid chromatography-photochemical reduction in aerobic conditions for determination of K vitamins using fluorescence detection

Priego Capote F, Ruiz Jimenez J, Mata Granados JM, Luque de Castro MD// Cordoba Univ, Dept Anal Chem, Campus Rabanales, ES-14071 Cordoba, Spain

Rapid Commun Mass Spectrom 2007 **21** (11) 1745

Identification and determination of fat-soluble vitamins and metabolites in human serum by liquid chromatography/triple quadrupole mass spectrometry with multiple reaction monitoring

Thangamuthu R, Kumar SMS, Pillai KC// *Univ Madras, Dept Phys Chem, Guindy Campus, IN-600025 Chennai, India

Sensor Actuator B Chem 2007 **120** (2) 745

Direct amperometric determination of L-ascorbic acid (vitamin C) at octacyanomolybdate-doped-poly(4-vinylpyridine) modified electrode in fruit juice and pharmaceuticals

7. Trace elements & minerals

Arriola H, Monroy F, Cruz M// Univ Nacl Autonoma Mexico, Fac Quim, MX-04510 Mexico City, DF, Mexico

J Radioanal Nucl Chem 2007 **271** (3) 597

Determination of Fe and Al contamination by NAA at preparation of traditional Mexican food

Bianchi F, Maffini M, Mangia A, Marengo E, Mucchino C// *Univ Parma, Dipt Chim Gen & Inorgan Chim Analit Chim Fis, Parco Area Sci 17/A, IT-43100 Parma, Italy

J Pharm Biomed Anal 2007 **43** (2) 659

Experimental design optimization for the ICP-AES determination of Li, Na, K, Al, Fe, Mn and Zn in human serum

Bohrer D, Becker E, Do Nascimento PC, Dessuy M, De Carvalho LM// Univ Fed Santa Maria, Dept Quim, Campus Univ, BR-97110-905 Santa Maria, RS, Brazil

Food Chem 2007 **104** (2) 868

Comparison of graphite furnace and hydride generation atomic absorption spectrometry for the determination of selenium status in chicken meat

Bruhn CG, Bustos CJ, Saez KL, Neira JY, Alvarez SE// Concepcion Univ, Fac Farm, Dept Analisis Instrumental, POB 237, CL-4039200 Concepcion, Chile

Talanta 2007 **71** (1) 81

A comparative study of chemical modifiers in the determination of total arsenic in marine food by tungsten coil electrothermal atomic absorption spectrometry

Cantone MC, Giussani A, Veronese I, Candoni B, Tsipenyuk YM, Firsov VI, Kersin AL// Univ Milan, Dipt Fis, Via Celoria 16, IT-20133 Milan, Italy

J Radioanal Nucl Chem 2007 **271** (3) 559

Activation techniques for the determination of stable isotopes of cerium in blood plasma

Chen SZ, Lu DB, Hu ZX// Wuhan Polytech Univ, Key Lab, CN-430023 Wuhan, Peoples Rep China

J AOAC Int 2007 **90** (1) 258

Direct inductively coupled plasma-atomic emission spectrometry analysis of trace elements in muscle tissues of hairtail using electrothermal vaporization with slurry sampling

Cindric IJ, Zeiner M*, Steffan I// *Univ Vienna, Inst Anal Chem, Währingerstr 38, AT-1090 Vienna, Austria

Microchem J 2007 **85** (1) 136

Trace elemental characterization of edible oils by ICP-AES and GFAAS

Crittenden RG, Andrew AS, LeFournour M, Young MD, Middleton H, Stockmann R// Food Sci Australia, Private Bag 16, Werribee, Vic 3030, Australia

Int Dairy J 2007 **17** (5) 421

Determining the geographic origin of milk in Australasia using multi-element stable isotope ratio analysis

Da Silva JCI, Cadore S*, Nobrega JA, Baccan N// *Univ Estadual Campinas, Inst Quim, Campinas, SP, Brazil

Food Addit Contam 2007 **24** (2) 130

Dilute-and-shoot procedure for the determination of mineral constituents in vinegar samples by axially viewed inductively coupled plasma optical emission spectrometry (ICP OES)

Hasenacker F, Hirner AV// Univ Duisburg Essen, Inst Environ Anal Chem, DE-45141 Essen, Germany

J Anal Atom Spectrom 2007 **22** (2) 175

Validation of a fast semi-automated gradient calibration system for ICP-MS quantification of trace elements

Momen AA, Zachariadis GA*, Anthemidis AN, Stratis JA// *Aristotle Univ, Dept Chem, Anal Chem Lab, GR-54124 Thessaloniki, Greece

Talanta 2007 **71** (1) 443

Use of fractional factorial design for optimization of digestion procedures followed by multi-element determination of essential and non-essential elements in nuts using ICP-OES technique

Navarrete JM, Longoria LC, Martinez MT, Cabrera L// Universidad Nacional Autonoma Mexico, Faculty Chemistry, Bldg D, MX-04510 Mexico City, DF, Mexico

J Radioanal Nucl Chem 2007 **271** (3) 599

Determination of cobalt, selenium and iodine by NAA in foodstuff by preconcentration of traces

Paixao TRLC, Cardoso JL, Bertotti M// *Univ Sao Paulo, Inst Quim, BR-05508-900 Sao Paulo, Brazil

Talanta 2007 **71** (1) 186

Determination of nitrate in mineral water and sausage samples by using a renewable *in situ* copper modified electrode

Soriano S, Netto ADP, Cassella RJ// *Univ Fed Fluminense, Dept Quim Analit, Quteiro Sao Joao Batista s/n, BR-24020-150 Niteroi, RJ, Brazil

Anal Bioanal Chem 2007 **387** (3) 1113

Multivariate optimization of a microwave-assisted leaching procedure using dilute acid solutions, for FAAS determination of Cu, Fe, Mn and Zn in multivitamin/multimineral supplements

Spacil Z, Folbrova J, Megoulas N, Solich P, Koupparis M// *Univ Athens, Dept Chem, Anal Chem Lab, GR-15771 Athens, Greece

Anal Chim Acta 2007 **583** (2) 239

Simultaneous liquid chromatographic determination of metals and organic compounds in pharmaceutical and food-supplement formulations using evaporative light scattering detection

Tatar E, Mihucz VG, Virag I, Racz L, Zaray G// Lorand Etovos Univ, Dept Inorgan & Anal Chem, POB 32, HU-1518 Budapest, Hungary

Microchem J 2007 **85** (1) 132

Effect of four bentonite samples on the rare earth element concentrations of selected Hungarian wine samples

Tuzen M, Saygi KO, Soylak M// *Erciyes Univ, Fac Sci & Arts, Dept Chem, TR-38039 Kayseri, Turkey

Talanta 2007 **71** (1) 424

Separation and speciation of selenium in food and water samples by the combination of magnesium hydroxide coprecipitation-graphite furnace atomic absorption spectrometric determination

Xia L, Wu Y, Hu B// *Wuhan Univ, Dept Chem, CN-430072 Wuhan, Peoples Rep China

J Mass Spectrom 2007 **42** (6) 803

Hollow-fiber liquid-phase microextraction prior to low-temperature electrothermal vaporization ICP-MS for trace element analysis in environmental and biological samples

8. Drug, biocide & processing residues

Araoud M, Douki W, Rhim A, Najjar MF, Gazzah N// *Ecole Super Sci & Tech Sante Monastir, Ave Ibn Sina, TN-5000 Monastir, Tunisia

J Environ Sci Health B 2007 **42** (2) 179

Multiresidue analysis of pesticides in fruits and vegetables by gas chromatography-mass spectrometry

Arribas AS, Bermejo E, Chicharro M, Zapardiel A// Univ Autonoma Madrid, Dept Quim Anal & Anal Instrumental, C/ Francisco Tomas y Valiente 7, ES-28049 Madrid, Spain

Talanta 2007 **71** (1) 430

Application of matrix solid-phase dispersion to the prophan and maleic hydrazide determination in potatoes by differential pulse voltammetry and HPLC

- Avramides EJ, Gkatsos S// Natl Agr Res Fdn - NAGREF, 1 Sof Venizelou St, GR-14123 Lycovrissi, Athens, Greece
J Agric Food Chem 2007 **55** (3) 561
 A multiresidue method for the determination of insecticides and triazine herbicides in fresh and processed olives
- Baggiani C, Baravalle P, Giraudi G, Tozzi C// Univ Turin, Dept Anal Chem, Lab Bioanal Chem, Via P Giuria 5, IT-10125 Turin, Italy
J Chromatogr A 2007 **1141** (2) 158
 Molecularly imprinted solid-phase extraction method for the high-performance liquid chromatographic analysis of fungicide pyrimethanil in wine
- Charissou A, Ait-Ameur L, Birlouez-Aragon I*// *Inst Natl Agron, Dept Anal Chem, 16 rue Claude Bernard, FR-75005 Paris, France
J Chromatogr A 2007 **1140** (1-2) 189
 Evaluation of a gas chromatography/mass spectrometry method for the quantification of carboxymethyllysine in food samples
- Cunha SC, Fernandes JO, Oliveira MBPP// Univ Porto, Fac Farm, Serv Bromatol, REQUIMTE, Rua Anibal Cunha, 164, PT-4099-030 Oporto, Portugal
Food Addit Contam 2007 **24** (2) 156
 Comparison of matrix solid-phase dispersion and liquid-liquid extraction for the chromatographic determination of fenthion and its metabolites in olives and olive oils
- De Ruyck H, De Ridder H// Inst Agr & Fisheries Res, Technol & Food Unit, Food Safety, Brusselsesteenweg 370, BE-9090 Melle, Belgium
Rapid Commun Mass Spectrom 2007 **21** (9) 1511
 Determination of tetracycline antibiotics in cow's milk by liquid chromatography/tandem mass spectrometry
- Driffield M, Bradley EL, Castle L// Dept Food Environm & Rural Affairs, Cent Sci Lab, Sand Hutton, York YO41 1LZ, England
J Chromatogr A 2007 **1141** (1) 61
 A method of test for residual isophorone diisocyanate trimer in new polyester-polyurethane coatings on light metal packaging using liquid chromatography with tandem mass spectrometric detection
- Fenoll J, Hellin P, Martinez CM, Flores P// IMIDA, Dept Calidad & Garantia Alimentaria, C/ Mayor s/n, ES-30150 Murcia, Spain
J AOAC Int 2007 **90** (1) 263
 Pesticide residue analysis of vegetables by gas chromatography with electron-capture detection
- Fitzgerald SP, O'Loan N, McConnell RI*, Benchikh EO, Kane NE// *Randox Labs Ltd, Crumlin BT29 4QY, North Ireland
J AOAC Int 2007 **90** (1) 334
 Stable competitive enzyme-linked immunosorbent assay kit for rapid measurement of 11 active β -lactams in milk, tissue, urine, and serum
- Fussell RJ, Hetmanski MT, Macarthur R, Findlay D, Smith F, Ambrus A, Brodessaer PJ// DEFRA, Cent Sci Lab, York YO41 1LZ, England
J Agric Food Chem 2007 **55** (4) 1062
 Measurement uncertainty associated with sample processing of oranges and tomatoes for pesticide residue analysis
- Guardia L, Badia R, Diaz-Garcia ME*// *Univ Oviedo, Fac Chem, Dept Phys & Anal Chem, Av Julian Claveria 8, ES-33006 Oviedo, Spain
J Agric Food Chem 2007 **55** (3) 566
 Molecularly imprinted sol-gels for nafcillin determination in milk-based products
- Halme K, Lindfors E*, Peltonen K// *Finnish Food Safety Authority - Evira, Chem & Toxicol Res Unit, Mustialankatu 3, FI-00790 Helsinki, Finland
J Chromatogr B 2007 **845** (1) 74
 A confirmatory analysis of malachite green residues in rainbow trout with liquid chromatography-electrospray tandem mass spectrometry
- Herranz S, Moreno-Bondi MC, Marazuela MD*// *Univ Complutense Madrid, Fac Chem, Dept Anal Chem, Lab Opt Sensors, ES-28040 Madrid, Spain
J Chromatogr A 2007 **1140** (1-2) 63
 Development of a new sample pretreatment procedure based on pressurized liquid extraction for the determination of fluoroquinolone residues in table eggs
- Hu XZ, Xu Y, Yediler A// Chinese Acad Sci, Inst Hydrobiol, State Key Lab Freshwater Ecol & Biotechnol, CN-430072 Wuhan, Peoples Rep China
J Agric Food Chem 2007 **55** (4) 1144
 Determinations of residual furazolidone and its metabolite, 3-amino-2-oxazolidinone (AOZ) in fish feeds by HPLC-UV and LC-MS/MS, respectively
- Jautz U, Morlock G*// *Univ Hohenheim, Inst Food Chem, Garbenstr 28, DE-70599 Stuttgart, Germany
Anal Bioanal Chem 2007 **387** (3) 1083
 Validation of a new planar chromatographic method for quantification of the heterocyclic aromatic amines most frequently found in meat
- Koesukwiwat U, Jayanta S, Leepipatpiboon N*// *Chulalongkorn Univ, Fac Sci, Dept Chem, Chromatog & Separat Res Grp, TH-10330 Bangkok, Thailand
J Chromatogr A 2007 **1140** (1-2) 147
 Validation of a liquid chromatography-mass spectrometry multi-residue method for the simultaneous determination of sulfonamides, tetracyclines, and pyrimethamine in milk
- Li L, Liu FM*, Qian CF, Jiang SR, Zhou ZQ, Pan CP// *China Agr Univ, Coll Sci, Dept Appl Chem, CN-100094 Beijing, Peoples R China
J AOAC Int 2007 **90** (1) 271
 Determination of organophosphorus pesticides in *Lycium barbarum* by gas chromatography with flame photometric detection
- Liu LB, Hashi Y, Qin YP, Zhou HX, Lin JM*// *Shimadzu Hong Kong Ltd, Beijing Off, Anal Appl Ctr, CN-100020 Beijing, Peoples Rep China
J Chromatogr B 2007 **845** (1) 61
 Development of automated online gel permeation chromatography-gas chromatography mass spectrometry for measuring multiresidual pesticides in agricultural products
- Lopez MI, Feldlaufer MF, Williams AD, Chu PS// USDA, Ctr Vet Med, 8401 Muir Kirk Rd, Laurel, Md 20708, USA
J Agric Food Chem 2007 **55** (4) 1103
 Determination and confirmation of nitrofurans residues in honey using LC-MS/MS
- Michulec M, Wardencki W// Gdansk Univ Technol, Fac Chem, Dept Anal Chem, 11-12 G Narutowicza Str, PL-80952 Gdansk, Poland
Accredit Qual Assur 2007 **12** (2) 94
 Validation of SPME-GC and HS-GC procedures for the determination of selected solvent residues in edible oil matrices
- Peng CF, Kuang H, Li XQ, Xu CL*// *Stn Yangtze Univ, Sch Food Sci & Technol, CN-214036 Wuxi, Peoples Rep China
Chem Pap 2007 **61** (1) 1
 Evaluation and interlaboratory validation of a GC-MS method for analysis of pesticide residues in teas
- Podlipna D, Cichna-Markl M*// *Univ Vienna, Dept Anal & Food Chem, Waehringer Guertel 38, AT-1090 Vienna, Austria
Eur Food Res Technol 2007 **224** (5) 629
 Determination of bisphenol A in canned fish by sol-gel immunoaffinity chromatography, HPLC and fluorescence detection
- Potter RA, Burns BG, Van de Riet JM, North DH, Darvesh R// Dartmouth Lab, Canadian Food Inspect Agcy, POB 1060, Dartmouth, Nova Scotia, Canada B3B 1Y9
J AOAC Int 2007 **90** (1) 343
 Simultaneous determination of 17 sulfonamides and the potentiators ormetoprim and trimethoprim in salmon muscle by liquid chromatography with tandem mass spectrometry detection
- Schneider MJ, Braden SE, Reyes-Herrera I, Donoghue DJ// USDA/ARS, Eastern Reg Res Ctr, 600 East Mermaid Lane, Wyndmoor, Pa 19038, USA
J Chromatogr B 2007 **846** (1-2) 8
 Simultaneous determination of fluoroquinolones and tetracyclines in chicken muscle using HPLC with fluorescence detection
- Simon R, Palme S, Anklam E// Eur Commission - Joint Res Ctr, Inst Ref Materials & Measurements, Food Safety & Qual Unit, Retiesweg 111, BE-2440 Geel, Belgium
Food Chem 2007 **104** (2) 876
 Validation (in-house and collaborative) of a method based on liquid chromatography for the quantitation of 15 European-priority polycyclic aromatic hydrocarbons in smoke flavourings: HPLC-method validation for 15 EU priority PAH in smoke condensates
- Soler C, Hamilton B, Furey A, James KJ, Manes J, Pico Y// Univ Valencia, Fac Farm, Lab Bromatol & Toxicol, Ave Vicent Andres Estelles s/n, ES-46100 Burjassot, Spain
Anal Chem 2007 **79** (4) 1492
 Liquid chromatography quadrupole time-of-flight mass spectrometry analysis of carbosulfan, carbofuran, 3-hydroxycarbofuran, and other metabolites in food
- Wang HL, Hu JY, Zhang HX, Chen CL, Chen XY, Li JZ*// *Chinese Acad Sci, Res Ctr Ecoenvironm Sci, 18 Shuangqing Rd, Haidian Dist, CN-100085 Beijing, Peoples Rep China
Int J Environ Anal Chem 2007 **87** (2) 99
 Analysis of pyraflufen-ethyl residues in apples and soil by high-performance liquid chromatography
- Wong JW, Hennessy MK, Hayward DG, Krynsky AJ, Cassias I, Schenck FJ// US/FDA, Off Plant & Dairy Foods, Ctr Food Safety & Appl Nutr, HFS-336, 5100 Paint Branch Parkway, College Park, Md 20740, USA
J Agric Food Chem 2007 **55** (4) 1117
 Analysis of organophosphorus pesticides in dried ground ginseng root by capillary gas chromatography-mass spectrometry and -flame photometric detection

9. Toxins/Allergens

- Bacala R, Barthet V*// *Canadian Grain Commission, Grain Res Lab, 1404-303 Main St, Winnipeg, Manitoba, Canada R3C 3G8
J AOAC Int 2007 **90** (1) 153
 Development of extraction and gas chromatography analytical methodology for cyanogenic glycosides in flaxseed (*Linum usitatissimum*)

Ben-Gigirey B, Rodriguez-Velasco ML, Villar-Gonzalez A, Botana LM// *Agencia Espanola Seguridad Alimentaria, Community Reference Lab Marine Biotoxins, ES-36200 Vigo, Spain
J Chromatogr A 2007 **1140** (1-2) 78
Influence of the sample toxic profile on the suitability of a high performance liquid chromatography method for official paralytic shellfish toxins control

Chung WC, Tso SC, Sze ST// Govt Lab, 7/F Homantin Govt Off, 88 Chung Hau St, Hong Kong, Peoples Rep China
J Chromatogr Sci 2007 **45** (2) 104
Separation of polar mushroom toxins by mixed-mode hydrophilic and ionic interaction liquid chromatography-electrospray ionization-mass spectrometry

Gomez-Alonso S, Hermosin-Gutierrez I, Garcia-Romero E// Instituto Vid & Vino Castilla La Mancha, Carretera de Toledo-Albacete s/n, ES-13700 Tomelloso, Spain
J Agric Food Chem 2007 **55** (3) 608
Simultaneous HPLC analysis of biogenic amines, amino acids, and ammonium ion as aminoenone derivatives in wine and beer samples

Gull I, Wirth M, Gabor F// *University Vienna, Faculty Life Science, Department Pharmaceut Technol & Biopharmaceut, Waehringer Guertel 18, Vienna, Austria
J Immunol Methods 2007 **318** (1-2) 20
Development of a sensitive and reliable ELISA for quantification of wheat germ agglutinin

Katerere DR, Stockenstrom S, Balducci G, Shephard GS// MRC Programme Mycotoxins & Expt Carcinogenesis - PROMEC, POB 19070, ZA-7505 Tygerberg, Rep Sth Africa
J AOAC Int 2007 **90** (1) 162
Determination of patulin in apple juice: Comparative evaluation of four analytical methods

Koppelman SJ, Vlooswijk R, Böttger G, Van Duijn G, Van der Schaft P, Dekker J, Van Bergen H// HAL Allergy, Kerklaan 53, NL-3731 EG De Bilt, The Netherlands
J Food Prot 2007 **70** (1) 179
Development of an enzyme-linked immunosorbent assay method to detect mustard protein in mustard seed oil

Li FQ, Zhao S, Chin LJ, Li YW, Wu DJ, Zhao X, Han CH, Zhang HY, Ji R// Chinese Ctr Dis Control & Prevent, Inst Nutr & Food Safety, CN-100021 Beijing, Peoples Rep China
J AOAC Int 2007 **90** (1) 167
Determination of patulin in apple and hawthorn beverages by solid-phase filtration column and liquid chromatography

Millan S, Sampedro MC, Unceta N, Goicolea MA, Barrio RJ// *Univ Basque Country, Fac Pharm, Cent Serv Anal, Paseo Univ 7, ES-01007 Vitoria-Gasteiz, Spain
Anal Chim Acta 2007 **584** (1) 145
Simple and rapid determination of biogenic amines in wine by liquid chromatography-electrospray ionization ion trap mass spectrometry

Moricz AM, Fater Z, Otta KH, Tyihak E, Mincsovcics E// Lorand Eotvos Univ, Dept Chem Technol & Environm Chem, POB 32, HU-1518 Budapest 112, Hungary
Microchem J 2007 **85** (1) 140
Overpressured layer chromatographic determination of aflatoxin B₁, B₂, G₁ and G₂ in red paprika

Oguri S, Enami M, Soga N// Aichi Gakuin University, Department Home Economics, Lab Food Hyg, 28 Kamikawanari, Hegoshi cho, Okazaki, Aichi 444 8520, Japan
J Chromatogr A 2007 **1139** (1) 70
Selective analysis of histamine in food by means of solid-phase extraction cleanup and chromatographic separation

Poli MA, Rivera VR, Neal DD, Baden DG, Messer SA, Plakas SM, Dickey RW, El Said K, Flewelling L, Green D, White J// US Army Med Res Inst Infect Dis, Fort Detrick, Md 21702, USA
J AOAC Int 2007 **90** (1) 173
An electrochemiluminescence-based competitive displacement immunoassay for the type-2 brevetoxins in oyster extracts

Rosi P, Borsari A, Lasi G, Lodi S, Galanti A, Fava A, Girotti S*, Ferri E// *Univ Bologna, Dept Met Sci Electrochem & Chem Tech, Via San Donato 15, IT-40127 Bologna, Italy
Int Dairy J 2007 **17** (5) 429
Aflatoxin M₁ in milk: Reliability of the immunoenzymatic assay

Saha D, Acharya D, Roy D, Dhar TK// *Indian Institute Chem Biol, Drug Development Diagnost & Biotechnol Div, 4 Raja SC Mullick Rd, IN-700032 Kolkata, India
Anal Bioanal Chem 2007 **387** (3) 1121
Filtration-based tyramide amplification technique—A new simple approach for rapid detection of aflatoxin B₁

10. Additives

Badaruddin M, Abdullah SU, Sayeed SA, Ali R, Riaz MN// Univ Karachi, HEJ Inst Chem Res, Div Food Res, Karachi, Pakistan
Cereal Food World 2007 **52** (1) 12
Sunset Yellow: A food color for protein staining with SDS-PAGE

Botek P, Poustka J, Hajslova J// *Inst Chem Technol Prague, Fac Food & Biochem Technol, Dept Food Chem & Anal, Tech 5, CZ-16628 Prague 6, Czech Republic
Czech J Food Sci 2007 **25** (1) 17
Determination of banned dyes in spices by liquid chromatography-mass spectrometry

Liu YH, Song ZH*, Dong FX, Zhang L// *NW Univ Xian, Dept Chem, CN-710069 Xian, Peoples Rep China
J Agric Food Chem 2007 **55** (3) 614
Flow injection chemiluminescence determination of Sudan I in hot chilli sauce

Minioti KS, Akellariou CFS, Thomaidis NS// *Univ Athens, Dept Chem, Anal Chem Lab, Panepistimioupolis Zografou, GR-15771 Athens, Greece
Anal Chim Acta 2007 **583** (1) 103
Determination of 13 synthetic food colorants in water-soluble foods by reversed-phase high-performance liquid chromatography coupled with diode-array detector

Ryvolova M, Taborsky P, Vrabel P, Krasensky P, Preisler J// *Masaryk Univ, Fac Sci, Dept Anal Chem, Kotlarska 2, CZ-61137 Brno, Czech Republic
J Chromatogr A 2007 **1141** (2) 206
Sensitive determination of erythrosine and other red food colorants using capillary electrophoresis with laser-induced fluorescence detection

Sanches-Silva A, Cruz JM, Sendon-Garcia R, Paseiro-Losada P// *Univ Santiago de Compostela, Fac Pharm, Dept Anal Chem Nutr & Food Sci, ES-15782 Santiago de Compostela, Spain
J AOAC Int 2007 **90** (1) 277
Determination of butylated hydroxytoluene in food samples by high-performance liquid chromatography with ultraviolet detection and gas chromatography/mass spectrometry

Xu T, Wang BM, Sheng W, Li QX, Shao XL, Li J// *China Agr Univ, Coll Resource & Environm Sci, Beijing, Peoples Rep China
J Environ Sci Health B 2007 **42** (2) 173
Application of an enzyme-linked immunosorbent assay for the detection of clenbuterol residues in swine urine and feeds

11. Flavours & aromas

Boutou S, Chatonnet P// Laboratoire EXCELL, Parc Innolin, 10 rue Golf, FR-33700 Merignac, France
J Chromatogr A 2007 **1141** (1) 1
Rapid headspace solid-phase microextraction/gas chromatographic/mass spectrometric assay for the quantitative determination of some of the main odorants causing off-flavours in wine

Campo E, Cacho J, Ferreira V// *Univ Zaragoza, Fac Sci, Dept Anal Chem, Lab Flavor Anal & Enol, ES-50009 Zaragoza, Spain
J Chromatogr A 2007 **1140** (1-2) 180
Solid phase extraction, multidimensional gas chromatography mass spectrometry determination of four novel aroma powerful ethyl esters - Assessment of their occurrence and importance in wine and other alcoholic beverages

Carrillo-Carrion C, Cardenas S, Valcarcel M// *Univ Cordoba, Fac Sci, Dept Anal Chem, Marie Curie Bldg Annex, Campus Rabanales, ES-14071 Cordoba, Spain
J Chromatogr A 2007 **1141** (1) 98
Vanguard/rearguard strategy for the evaluation of the degradation of yoghurt samples based on the direct analysis of the volatiles profile through headspace-gas chromatography-mass spectrometry

Caven-Quantrill DJ, Buglass AJ// *Korea Adv Inst Sci & Technol, Dept Chem, 373-1 Guseong-dong, Yuseong-gu, Daejeon 305 701, South Korea
Flavour Fragr J 2007 **22** (3) 206
Determination of volatile organic compounds in English vineyard grape juices by immersion stir bar sorptive extraction-gas chromatography/mass spectrometry

Chung HY, Yeung CW, Kim JS, Chen F// Chinese Univ Hong Kong, Dept Biol, Shatin, New Territories, Hong Kong, Peoples Rep China
Food Chem 2007 **104** (2) 842
Static headspace analysis-olfactometry (SHA-O) of odor impact components in salted-dried white herring (*Ilisha elongata*)

Eikani MH, Golmohammad F, Rowshanzamir S// Iranian Res Org Sci & Technol, Inst Chem Technol, POB 15815-3538, Tehran, Iran
J Food Eng 2007 **80** (2) 735
Subcritical water extraction of essential oils from coriander seeds (*Coriandrum sativum* L.)

- Gomez AH, Wang J*, Hu GX, Pereira AG// *Zhejiang University, Department Agricultural Engineering, 268 Kaixuan Rd, CN-310029 Hangzhou, Peoples Rep China
LWT-Food Sci Technol 2007 **40** (4) 681
 Discrimination of storage shelf-life for mandarin by electronic nose technique
- Jamin E, Martin F, Martin GG// Eurofins Scientific Analytics, rue Pierre Adolphe Bobierre, BP 42301, FR-44323 Nantes 3, France
J AOAC Int 2007 **90** (1) 187
 Determination of site-specific (deuterium/hydrogen) ratios in vanillin by ²H-nuclear magnetic resonance spectrometry: Collaborative study
- Laguette M, Mestres C*, Davrieux F, Ringuet J, Boulanger R// *CIRAD, UPR Qual Aliments Tropicaux, 73 rue JF Breton, FR-34398 Montpellier, France
J Agric Food Chem 2007 **55** (4) 1077
 Rapid discrimination of scented rice by solid-phase microextraction, mass spectrometry, and multivariate analysis used as a mass sensor
- Mannas D, Altug T*// *Ege Univ, Fac Engn, Dept Food Engn, TR-35100 Izmir, Turkey
Int J Food Sci Technol 2007 **42** (2) 133
 SPME/GC/MS and sensory flavour profile analysis for estimation of authenticity of thyme honey
- Pino JA// Inst Invest Ind Alimenticia Aromas, Carretera Guatao km 3 1/2, CU-19200 Havana, Cuba
Food Chem 2007 **104** (1) 421
 Characterization of rum using solid-phase microextraction with gas chromatography-mass spectrometry
- Salehi P, Asghari B, Mohammadi F// Shahid Beheshti Univ, Med Plants & Drugs Res Inst, Dept Phytochem, POB 19835-389, Tehran, Iran
Chromatographia 2007 **65** (1-2) 119
 Hydrodistillation-headspace solvent microextraction: An efficient method for analysis of the essential oil from the seeds of *Foeniculum vulgare* Mill
- Sinha AK, Verma SC, Sharma UK// Inst Himalayan Bioresource Technol, Nat Plant Prod Div, PB 6, IN-176061 Palampur, India
J Sep Sci 2007 **30** (1) 15
 Development and validation of an RP-HPLC method for quantitative determination of vanillin and related phenolic compounds in *Vanilla planifolia*
- Timotheou-Potamia M, Calokerinos AC// Univ Athens, Dept Chem, Anal Chem Lab, GR-15771 Athens, Greece
Talanta 2007 **71** (1) 208
 Chemiluminometric determination of vanillin in commercial vanillin products
- Zhao DY, Tang J, Ding XL// Shanghai Jiao Tong Univ, Dept Food Sci & Technol, CN-201101 Shanghai, Peoples Rep China
LWT-Food Sci Technol 2007 **40** (3) 439
 Analysis of volatile components during potherb mustard (*Brassica juncea*, Coss.) pickle fermentation using SPME-GC-MS

13. Animal products

- Chakraborty A, Aranishi F, Iwatsuki Y*// *Univ Miyazaki, Fac Agr, Div Fisheries Sci, Miyazaki 889 2192, Japan
Fisheries Sci 2007 **73** (1) 197
 Polymerase chain reaction-restriction fragment length polymorphism analysis for species identification of hairtail fish filets from supermarkets in Japan
- Chou CC, Lin SP, Lee KM, Hsu CT, Vickroy TW, Zen JM// Natl Chung Hsing Univ, Coll Vet Med, Dept Vet Med, 250-1 Kuo Kuang Rd, Taichung 402, Taiwan
J Chromatogr B 2007 **846** (1-2) 230
 Fast differentiation of meats from fifteen animal species by liquid chromatography with electrochemical detection using copper nanoparticles plated electrodes
- Fajardo V, Gonzalez I*, Lopez-Calleja I, Martin I, Rojas M, Pavon MA, Hernandez PE, Garcia T, Martin R// *Univ Complutense Madrid, Fac Vet, Dept Nutr Bromatol & Tecnol Alimentos, ES-28040 Madrid, Spain
J AOAC Int 2007 **90** (1) 179
 Analysis of mitochondrial DNA for authentication of meats from chamois (*Rupicapra rupicapra*), pyrenean ibex (*Capra pyrenaica*), and mouflon (*Ovis ammon*) by polymerase chain reaction-restriction fragment length polymorphism
- Gayo J, Hale SA*// *Nth Carolina State Univ, Dept Biol & Agr Engn, Box 7625, Raleigh, NC 27695, USA
J Agric Food Chem 2007 **55** (3) 585
 Detection and quantification of species authenticity and adulteration in crabmeat using visible and near-infrared spectroscopy
- Gussoni M, Greco F, Vezzoli A, Paleari MA, Moretti VM, Lanza B, Zetta L// University Milan, Dipartimento Sci & Tecnol Biomed, IT-20090 Segrate, Milan, Italy
Magn Reson Imaging 2007 **25** (1) 117
 Osmotic and aging effects in caviar oocytes throughout water and lipid changes assessed by ¹H NMR T₁ and T₂ relaxation and MRI

- Karoui R, Dufour E, De Baerdemaeker J// KU Leuven, Dept Biosyst, Div Mech Biostat & Sens, Kasteelpark Arenberg 30, BE-3001 Leuven, Belgium
Food Chem 2007 **104** (1) 409
 Monitoring the molecular changes by front face fluorescence spectroscopy throughout ripening of a semi-hard cheese
- Miller EL, Bimbo AP, Barlow SM, Sheridan B// Univ Cambridge, Dept Vet Med, Madingley Rd, Cambridge CB3 0ES, England
J AOAC Int 2007 **90** (1) 6
 Repeatability and reproducibility of determination of the nitrogen content of fishmeal by the combustion (Dumas) method and comparison with the Kjeldahl method: Interlaboratory study
- Rodushkin I, Bergman T, Douglas G, Engstrom E, Sorlin D, Baxter DC// Lulea Univ Technol, Div Appl Geol, SE-97187 Lulea, Sweden
Anal Chim Acta 2007 **583** (2) 310
 Authentication of Kalix (N.E. Sweden) vendace caviar using inductively coupled plasma-based analytical techniques: Evaluation of different approaches
- Sanches PJ, Rios A, Valcarcel M, Melecchi MIS, Caramao EB*// *Univ Fed Rio Grande do Sul, Inst Quim, Av Bento Gonçalves 9500, BR-90160-970 Porto Alegre, RS, Brazil
J Agric Food Chem 2007 **55** (3) 603
 Method of determination of nitrosamines in sausages by CO₂ supercritical fluid extraction (SFE) and micellar electrokinetic chromatography (MEKC)
- Sentandreu MA, Aubry L, Toldra F, Ouali A// Inst Agroquim & Tecnol Alimentos - CSIC, POB 73, ES-46100 Valencia, Spain
Eur Food Res Technol 2007 **224** (5) 623
 Blocking agents for ELISA quantification of compounds coming from bovine muscle crude extracts
- Zhang JB, Wang HJ, Cai ZP// Chinese Acad Sci, Sth China Sea Inst Oceanog, LED, CN-510301 Guangzhou, Peoples Rep China
Food Control 2007 **18** (6) 672
 The application of DGGE and AFLP-derived SCAR for discrimination between Atlantic salmon (*Salmo salar*) and rainbow trout (*Oncorhynchus mykiss*)

14. Plant & microbial products

- Agati G, Meyer S, Matteini P, Cerovic ZG// CNR, Ist Fis Applicata Nello Carrara, Via Madonna Piano 10, IT-50019 Sesto Fiorentino, FI, Italy
J Agric Food Chem 2007 **55** (4) 1053
 Assessment of anthocyanins in grape (*Vitis vinifera* L.) berries using a non-invasive chlorophyll fluorescence method
- Aguiar CL, Baptista AS, Alencar SM, Haddad R, Eberlin MN// UNOPAR, CP 45, BR-86125-000 Tamarana, PR, Brazil
Int J Food Sci Nutr 2007 **58** (2) 116
 Analysis of isoflavonoids from leguminous plant extracts by RPHPLC/DAD and electrospray ionization mass spectrometry
- Alcalde-Eon C, Escribano-Bailon MT, Santos-Buelga C, Rivas-Gonzalo JC*// *Univ Salamanca, Fac Farm, Dept Quim Anal Nutr & Bromatol, Grp Invest Polifenoles, Campus Miguel Unamuno, ES-37007 Salamanca, Spain
J Mass Spectrom 2007 **42** (6) 735
 Identification of dimeric anthocyanins and new oligomeric pigments in red wine by means of HPLC-DAD-ESI/MSⁿ
- Bajer T, Adam M*, Galla L, Ventura K// *Univ Pardubice, Fac Chem Technol, Dept Anal Chem, Nam CS Legii 565, CZ-53210 Pardubice, Czech Republic
J Sep Sci 2007 **30** (1) 122
 Comparison of various extraction techniques for isolation and determination of isoflavonoids in plants
- Brescia MA, Sacco D, Sgarbella A, Pasqualone A, Simeone R, Peri G, Sacco A*// *Univ Bari, Dipt Chim, Campus Univ, Via Orabona 4, IT-70126 Bari, Italy
Food Chem 2007 **104** (1) 429
 Characterisation of different typical Italian breads by means of traditional, spectroscopic and image analyses
- Brod FCA, Ferrari CD, Valente LL, Arisi ACM*// *Univ Fed Santa Catarina, Dept Ciencias & Tecnol Alimentos, Ctr Ciencias Agrarias, BR-88034-001 Florianopolis, SC, Brazil
LWT-Food Sci Technol 2007 **40** (4) 748
 Nested PCR detection of genetically modified soybean in soybean flour, infant formula and soymilk
- Brunetti B, Desimoni E, Casati P// Univ Milan, DiProVe, Via Celoria 2, IT-20133 Milan, Italy
Electroanalysis 2007 **19** (2-3) 385
 Determination of caffeine at a Nafion-covered glassy carbon electrode
- Chen HW, Sun YP, Wortmann A, Gu HW, Zenobi R*// ETH, Dept Chem, CH-8093 Zurich, Switzerland
Anal Chem 2007 **79** (4) 1447
 Differentiation of maturity and quality of fruit using noninvasive extractive electrospray ionization quadrupole time-of-flight mass spectrometry

- Dalla Costa L, Martinelli L*// *IASMA Res Ctr, Dept Mol Biol & Genet, Via E Mach 1, IT-38010 San Michele all'Adige, TN, Italy
J Agric Food Chem 2007 **55** (4) 1264
Development of a real-time PCR method based on duplo target plasmids for determining an unexpected genetically modified soybean intermix with feed components
- Danila AM, Kotani A, Hakamata H, Kusu F*// *Tokyo Univ Pharm & Life Sci, Sch Pharma, Dept Anal Chem, Tokyo, Japan
J Agric Food Chem 2007 **55** (4) 1139
Determination of rutin, catechin, epicatechin, and epicatechin gallate in buckwheat *Fagopyrum esculentum* Moench by micro-high-performance liquid chromatography with electrochemical detection
- De Marco E, Savarese M, Paduano A, Sacchi R// CRIOL, Ctr Ricerche Ind Olearia, c/o Ind Olearia Biagio Mataluni, Via Badia, Zona Industriale, IT-82016 Montesarchio, BN, Italy
Food Chem 2007 **104** (2) 858
Characterization and fractionation of phenolic compounds extracted from olive oil mill wastewaters
- Dopico-Garcia MS, Valentao P, Guerra L, Andrade PB, Seabra RM*// *Univ Porto, REQUIMTE, R Anibal Cunha 164, PT-4050-047 Oporto, Portugal
Anal Chim Acta 2007 **583** (1) 15
Experimental design for extraction and quantification of phenolic compounds and organic acids in white "Vinho Verde" grapes
- Drinkine J, Lopes P, Kennedy JA, Teissedre PL, Saucier C*// *Univ Victor Segalen Bordeaux 2, Fac Oenol Bordeaux, ISVV, UMR1219 INRA, FR-33405 Talence, France
J Agric Food Chem 2007 **55** (4) 1109
Analysis of ethylidene-bridged flavan-3-ols in wine
- Fantozzi A, Ermolli M*, Marini M, Scotti D, Balla B, Querci M, Langrell SRH, Van den Eede G// *Univ Basel, Inst Biochem & Genet, Dept Clin Biol Sci, Ctr Biomed, CH-4058 Basel, Switzerland
J Agric Food Chem 2007 **55** (4) 1071
First application of a microsphere-based immunoassay to the detection of genetically modified organisms (GMOs): Quantification of Cry1Ab protein in genetically modified maize
- Gray D, LeVanseler K, Pan M, Waysek EH// Midwest Res Inst, 425 Volker Blvd, Kansas City, Mo 64110, USA
J AOAC Int 2007 **90** (1) 43
Evaluation of a method to determine flavonol aglycones in *Ginkgo biloba* dietary supplement crude materials and finished products by high-performance liquid chromatography: Collaborative study
- Gutzeit D, Wray V, Winterhalter P, Jerz G*// *Tech Univ Braunschweig, Inst Food Chem, Schleinitzstr 20, DE-38106 Braunschweig, Germany
Chromatographia 2007 **65** (1-2) 1
Preparative isolation and purification of flavonoids and protocatechuic acid from sea buckthorn juice concentrate (*Hippophae rhamnoides* L. ssp *rhamnoides*) by high-speed counter-current chromatography
- Jin MC, Yang YW, Su BG, Ren QL*// *Zhejiang Univ, Natl Key Lab Secondary Resources Chem Engr, CN-310027 Hangzhou, Peoples Rep China
J Chromatogr B 2007 **846** (1-2) 169
Determination of soyasaponins Ba and Bb in human serum by high-performance liquid chromatography coupled with electrospray ionization tandem mass spectrometry
- Jubert C, Bailey G// Oregon State Univ, Linus Pauling Inst, 435 Weniger Hall, Corvallis, Or 97331, USA
J Chromatogr A 2007 **1140** (1-2) 95
Isolation of chlorophylls *a* and *b* from spinach by counter-current chromatography
- Kanaya K, Tada S, Mori B, Takahashi R, Ikegami S, Kurasawa S, Okuzaki M, Mori Y, Innami S// Japan Food Res Labs, 52-1 Motoyoyogi cho, Shibuya ku, Tokyo 151 0062, Japan
J AOAC Int 2007 **90** (1) 225
A simplified modification of the AOAC official method for determination of total dietary fiber using newly developed enzymes: Preliminary interlaboratory study
- Knodler M, Berardini N, Kammerer DR, Carle R, Schieber A*// *Hohenheim Univ, Inst Food Technol, Sect Plant Foodstuff Technol, August-von-Hartmann Str 3, DE-70599 Stuttgart, Germany
Rapid Commun Mass Spectrom 2007 **21** (6) 945
Characterization of major and minor alk(en)ylresorcinols from mango (*Mangifera indica* L.) peels by high-performance liquid chromatography/atmospheric pressure chemical ionization mass spectrometry
- Krizman M, Baricevic D, Prosek M// Natl Inst Chem, Food Chem Lab, Hajdrihova 19, SI-1000 Ljubljana, Slovenia
J Pharm Biomed Anal 2007 **43** (2) 481
Determination of phenolic compounds in fennel by HPLC and HPLC-MS using a monolithic reversed-phase column
- Lavigne V, Pons A, Dubourdiou D*// *Univ Victor Segalen Bordeaux 2, Fac Oenol, Inst Sci Vigne & Vin, 351 Cours Liberation, FR-33405 Talence, France
J Chromatogr A 2007 **1139** (1) 130
Assay of glutathione in must and wines using capillary electrophoresis and laser-induced fluorescence detection - Changes in concentration in dry white wines during alcoholic fermentation and aging
- Li HJ, Deinzer ML*// *Oregon State Univ, Dept Chem, Gilbert Hall, Corvallis, Or 97331, USA
Anal Chem 2007 **79** (4) 1739
Tandem mass spectrometry for sequencing proanthocyanidins
- Li L, Qin J, Yin S, Tang GW*// *Chinese Ctr Dis Control & Prevent, Nutr & Food Safety Inst, Dept Maternal & Child Hlth, CN-100050 Beijing, Peoples Rep China
Chromatographia 2007 **65** (1-2) 91
Effects of mobile phase ratios on the separation of plant carotenoids by HPLC with a C30 column
- Li SM, Lambros T, Wang ZY, Goodnow R, Ho CT// Hoffmann La Roche Inc, Dept Drug Discovery, 340 Kingsland St, Nutley, NJ 07110, USA
J Chromatogr B 2007 **846** (1-2) 291
Efficient and scalable method in isolation of polymethoxyflavones from orange peel extract by supercritical fluid chromatography
- Lin LZ, Harnly JM*// *USDA/ARS, Food Compos Lab, Beltsville Human Nutr Res Ctr, Beltsville, Md 20705, USA
J Agric Food Chem 2007 **55** (4) 1084
A screening method for the identification of glycosylated flavonoids and other phenolic compounds using a standard analytical approach for all plant materials
- Lin LZ, Lu SM, Harnly JM*// *Address as above
J Agric Food Chem 2007 **55** (4) 1321
Detection and quantification of glycosylated flavonoid malonates in celery, Chinese celery, and celery seed by LC-DAD-ESI/MS
- Lindeboom N, Wanasundara PKJPD*// *Saskatoon Res Ctr, Agric & Agri-Food Canada, 107 Sci Pl, Saskatoon, Saskatchewan, Canada S7N 0X2
Food Chem 2007 **104** (1) 30
Interference of phenolic compounds in *Brassica napus*, *Brassica rapa* and *Sinapis alba* seed extracts with the Lowry protein assay
- Mantzouridou F, Tsimidou MZ*// *Aristotle Univ Thessaloniki, Sch Chem, Lab Food Chem & Technol, GR-54124 Thessaloniki, Greece
Food Chem 2007 **104** (1) 439
On the monitoring of carotenogenesis by *Blakeslea trispora* using HPLC
- Moros J, Inon FA, Garrigues S*, De la Guardia M// *Univ Valencia, Dept Anal Chem, Jeronim Munoz Bldg, C/ Dr Moliner, 50, ES-46100 Valencia, Spain
Anal Chim Acta 2007 **584** (1) 215
Near-infrared diffuse reflectance spectroscopy and neural networks for measuring nutritional parameters in chocolate samples
- Qin NY, Yang FQ, Wang YT, Li SP*// *Univ Macau, Inst Chinese Med Sci, Taipa, Macau, Peoples Rep China
J Pharm Biomed Anal 2007 **43** (2) 486
Quantitative determination of eight components in rhizome (Jianghuang) and tuberous root (Yujin) of *Curcuma longa* using pressurized liquid extraction and gas chromatography-mass spectrometry
- Roman MC, Betz JM, Hildreth J// Tampa Bay Anal Res, POB 931, Safety Harbor, Fl 34695, USA
J AOAC Int 2007 **90** (1) 68
Determination of synephrine in bitter orange raw materials, extracts, and dietary supplements by liquid chromatography with ultraviolet detection: Single-laboratory validation
- Tada S, Innami S// Daiwa Kasei KK, 4-19 Hie cho, Konan-shi, Shiga 520 3203, Japan
J AOAC Int 2007 **90** (1) 217
A simplified modification of the AOAC official method for determination of total dietary fiber using newly developed enzymes
- Watanabe T, Tokishita S, Spiegelhalter F, Furui S, Kitta K, Hino A, Matsuda R, Akiyama H, Maitani T// Natl Inst Hlth Sci, 1-18-1 Kamiyoga, Setagaya ku, Tokyo 158 8501, Japan
J Agric Food Chem 2007 **55** (4) 1274
Development and evaluation of event-specific qualitative PCR methods for genetically modified Bt10 maize
- Yan SH// Univ Catholique Louvain, Unite Biochim Nutr, Croix Sud 2/8, BE-1348 Louvain-La-Neuve, Belgium
Spectrosc Eur 2007 **19** (2) 16
NIR evaluation of the quality of tea and its market price
- Yoshida H, Mizukoshi T, Hirayama K, Miyano H*// *Ajinomoto Co Inc, Inst Life Sci, 1-1 Suzuki cho, Kawasaki ku, Kawasaki, Kanagawa 210 868, Japan
J Agric Food Chem 2007 **55** (3) 551
Comprehensive analytical method for the determination of hydrophilic metabolites by high-performance liquid chromatography and mass spectrometry