



## Bibliography of analytical methods

(4 weeks journals. Search completed at 16th. July 2008)

### 1. Reviews

- Ahmed MU, Hossain MM, Tamiya E\*// \*Osaka Univ, Grad Sch Engn, Dept Appl Phys, Suita, Osaka 565-0871, Japan  
*Electroanalysis* 2008 **20** (6) 616  
 Electrochemical biosensors for medical and food applications
- Bicchi C, Cordero C, Liberto E, Sgorbini B, Rubiolo P// Univ Turin, Dipt Sci & Tecnol Farmaco, Via Pietro Giuria 9, IT-10125 Turin, Italy  
*J Chromatogr A* 2008 **1184** (1-2) 220  
 Headspace sampling of the volatile fraction of vegetable matrices
- Brady R, Woonton B, Gee ML, O'Connor AJ\*// \*Univ Melbourne, Sch Chem, Dept Chem & Biomol Engn, Melbourne, Vic 3010, Australia  
*Innov Food Sci Emerg Technol* 2008 **9** (2) 243  
 Hierarchical mesoporous silica materials for separation of functional food ingredients - A review
- Christian B, Luckas B// Univ Jena, Inst Nutr, Dornburger Str 25, Jena, Germany  
*Anal Bioanal Chem* 2008 **391** (1) 117  
 Determination of marine biotoxins relevant for regulations: From the mouse bioassay to coupled LC-MS methods
- D'Acampora Zellner B, Dugo P, Dugo G, Mondello L\*// \*Univ Messina, Fac Farm, Dipt Farmacochim, IT-98168 Messina, Italy  
*J Chromatogr A* 2008 **1186** (1-2) 123  
 Gas chromatography-olfactometry in food flavour analysis
- Huang HB, Yu HY, Xu HR, Ying YB\*// \*Zhejiang Univ, Coll Biosystems Engn & Food Sci, 268 Kaixuan Rd, CN-310029 Hangzhou, Peoples Rep China  
*J Food Eng* 2008 **87** (3) 303  
 Near infrared spectroscopy for on/in-line monitoring of quality in foods and beverages: A review
- Maharjan P, Woonton BW\*, Bennett LE, Smithers GW, DeSilva K, Hearn MTW// \*Food Sci Australia, Sneydes Rd, Werribee, Vic 3030, Australia  
*Innov Food Sci Emerg Technol* 2008 **9** (2) 232  
 Novel chromatographic separation - The potential of smart polymers
- Noppe H, Le Bizec B, Verheyden K, De Brabander HF// Univ Ghent, Fac Veterinary Med, Dept Vet Publ Hlth & Food Safety, Lab Chem Anal, Res Grp Veterinary Zoonoses, BE-9820 Merelbeke, Belgium  
*Anal Chim Acta* 2008 **611** (1) 1  
 Novel analytical methods for the determination of steroid hormones in edible matrices
- Purcaro G, Moret S, Conte LS\*// \*Univ Udine, Dipt Sci Alimenti, Via Marangoni 97, IT-33100 Udine, Italy  
*Eur Food Res Technol* 2008 **227** (1) 1  
 HS-SPME-GC applied to rancidity assessment in bakery foods
- Sanz Alaejos M, Ayala JH, Gonzalez V, Afonso AM// Univ La Laguna, Dept Anal Chem Nutr & Food Sci, ES-38205 La Laguna, Tenerife, Spain  
*J Chromatogr B* 2008 **862** (1-2) 15  
 Analytical methods applied to the determination of heterocyclic aromatic amines in foods
- Taylor A, Branch S, Day MP, Patriarca M, White M// Univ Surrey, Supra-Regional Assay Serv, Trace Element Lab, Ctr Clin Sci, Guildford GU2, England  
*J Anal Atom Spectrom* 2008 **23** (4) 595  
 Atomic spectrometry update. Clinical and biological materials, foods and beverages

### 2. General

- Orlien V, Happe AK, Stapelfeldt H, Skibsted LH\*// \*University Copenhagen, Faculty Life Science, Department Food Science, DK-1958 Frederiksberg, Denmark  
*Food Biophys* 2008 **3** (1) 94  
*In situ* pH measurement in partly frozen aqueous solution using the fluorescent probe 8-hydroxypyrene-1,3,6-trisulfonic acid
- Thompson M, Mathieson K, Damant AP, Wood R// University London, Birkbeck College, School Biology & Chemical Science, Malet St, London WC1E 7HX, England  
*Accredit Qual Assur* 2008 **13** (4-5) 223  
 A general model for interlaboratory precision accounts for statistics from proficiency testing in food analysis
- 3. Amino acids, proteins & enzymes**
- Biera K, Vacchina V, Szpunar J, Bertin G, Lobinski R\*// \*CNRS UMR 5254, Lab Chim Anal & Bioinorgan & Environm, Helioparc, 2 Ave Pres Angot, FR-64053 Pau, France  
*J Anal Atom Spectrom* 2008 **23** (4) 508  
 Simultaneous derivatization of selenocysteine and selenomethionine in animal blood prior to their specific determination by 2D size-exclusion ion-pairing reversed-phase HPLC-ICP MS
- Callejon RM, Tesfaye W, Torija MJ, Mas A, Troncoso AM, Morales ML\*// \*Univ Seville, Fac Farm, Area Nutr & Bromatol, C/ P Garcia Gonzalez 2, ES-41012 Seville, Spain  
*Eur Food Res Technol* 2008 **227** (1) 93  
 HPLC determination of amino acids with AQC derivatization in vinegars along submerged and surface acetifications and its relation to the microbiota
- Capraro J, Magni C, Fontanesi M, Budelli A, Duranti M\*// \*Univ Milan, Dipartimento Scienze Molecolari Agroalimentari, Via Celoria 2, IT-20133 Milan, Italy  
*LWT Food Sci Technol* 2008 **41** (6) 1011  
 Application of two dimensional electrophoresis to industrial process analysis of proteins in lupin-based pasta
- Elmastaş M, Keha EE, Keles MS, Aboul-Enein HY// Gaziamanpasa Univ, Fac Sci & Arts, Dept Chem, TR-60240 Tokat, Turkey  
*Anal Lett* 2008 **41** (5) 725  
 Analysis of free amino acids and protein contents of mature human milk from Turkish mothers
- Gigliotti JC, Jaczynski J, Tou JC\*// \*West Virginia Univ, Anim & Nutr Aci, PO Box 6108, Morgantown, WV, USA  
*Food Chem* 2008 **111** (1) 209  
 Determination of the nutritional value, protein quality and safety of krill protein concentrate isolated using an isoelectric solubilization/precipitation technique
- Gizzi G, Thyregod P, Von Holst C\*, Bertin G, Vogel K, Faurschou-Isaksen M, Betz R, Murphy R, Andersen BBB// \*European Commission, Joint Research Ctr, Inst Reference Materials & Measurements, Retieseweg 111, BE-2440 Geel, Belgium  
*J AOAC Int* 2008 **91** (2) 259  
 Determination of phytase activity in feed: Interlaboratory study

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.

- Heck JML, Olieman C, Schennink A, Van Valenberg HJF, Visker MHPW, Meuldijk RCR, Van Hooijdonk ACM// Wageningen Univ, Dairy Sci & Technol Grp, POB 8129, NL-6700 EV Wageningen, The Netherlands  
*Int Dairy J* 2008 **18** (5) 548
- Estimation of variation in concentration, phosphorylation and genetic polymorphism of milk proteins using capillary zone electrophoresis
- Lieske B, Valbuena R// Humboldt Univ, Inst Agric, Invalidenstr 42, DE-10115 Berlin, Germany  
*Milchwissenschaft* 2008 **63** (2) 178
- Separation and determination of major bovine casein fractions by cation-exchange and hydrophobic interaction HPLC chromatography using columns Resource S and Source 15PHE PE 4.6/100
- Sun JP, Hou CY\*, Feng J, Wang X// \*POB 112, 17 Qinghua Dong Lu, CN-100083 Beijing, Peoples Rep China  
*J Food Qual* 2008 **31** (2) 250
- Determination of the protein content in rice by the digital chromatic method
- Ueno H, Wang J\*, Kaji N, Tokeshi M, Baba Y// \*Nagoya Univ, MEXT Innovation Res Ctr Preventive Med Engn, Furocho, Chikusa ku, Nagoya, Aichi 464 8603, Japan  
*J Sep Sci* 2008 **31** (5) 898
- Quantitative determination of amino acids in functional foods by microchip electrophoresis
- Wedholm A, Moller HS, Lindmark-Mansson H, Rasmussen MD, Andren A, Larsen LB// Swedish Univ Agric Sci, Dept Food Sci, Uppsala, Sweden  
*J Dairy Res* 2008 **75** (1) 76
- Identification of peptides in milk as a result of proteolysis at different levels of somatic cell counts using LC MALDI MS/MS detection
- Zhang Q, Dong YM, An XL, Wang AL, Zhang YZ, Li XH, Gao LY, Xia XC, He ZH, Yan YM// \*Capital Normal Univ, Coll Life Sci, Key Lab Genet & Biotechnol, 105 Xisanhuan Beilu, CN-100037 Beijing, Peoples Rep China  
*J Cereal Sci* 2008 **47** (2) 252
- Characterization of HMW glutenin subunits in common wheat and related species by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry (MALDI-TOF-MS)
- ## 4. Carbohydrates
- Bleichert M, Eckhardt HS, Klein KF, Spangenberg B// \*Univ Appl Sci Offenburg, Badstr 24, DE-77652 Offenburg, Germany  
*J Planar Chromatogr Mod TLC* 2008 **21** (1) 55
- A simple and reliable method for quantification of glucosamine in nutritional supplements
- Wang XM, Zhang RL, Lv ZH\*, Wang YH, Jiang TF// \*Ocean Univ Qingdao, Marine Drug & Food Inst, CN-266003 Qingdao, Peoples Rep China  
*J Food Compos Anal* 2008 **21** (3) 255
- Determination of glucosamine and lactose in milk-based formulae by high-performance liquid chromatography
- Xiang X, Yang L, Hua S, Li W, Sun Y, Ma H, Zhang J, Zeng X// \*Nanjing Agric Univ, Coll Food Sci & Technol, CN-210095 Nanjing, Peoples Rep China  
*Food Chem* 2008 **111** (1) 215
- Determination of oligosaccharide contents in 19 cultivars of chickpea (*Cicer arietinum* L) seeds by high performance liquid chromatography
- ## 5. Lipids
- Janni J, Weinstock BA, Hagen L, Wright S// Pioneer Hi-Bred Int Inc, Johnston, Ia 50131, USA  
*Appl Spectrosc* 2008 **62** (4) 423
- Novel near-infrared sampling apparatus for single kernel analysis of oil content in maize
- Kuligowski J, Quintas G, Esteve-Turrillas FA, Garrigues S, De la Guardia M// \*Univ Valencia, Dept Anal Chem, Edifici Jeroni Munoz, 50th Dr Moliner, ES-46100 Burjassot, Spain  
*J Chromatogr A* 2008 **1185** (1) 71
- On-line gel permeation chromatography-attenuated total reflectance-Fourier transform infrared determination of lecithin and soybean oil in dietary supplements
- Perez-Palacios T, Ruiz J, Martin D, Muriel E, Antequera T// Fac Vet UEx, Tecnol Alimentos, Avda Universidad s/n, ES-10071 Caceres, Spain  
*Food Chem* 2008 **110** (4) 1025
- Comparison of different methods for total lipid quantification in meat and meat products
- Scano P, Rosa A, Marincola FC, Locci E, Melis MP, Dessi MA, Lai A// Univ Cagliari, Dipt Sci Chim, Cittadella Universitaria Monserrato, SS 554 Bivio Sestu, IT-09042 Cagliari, Italy  
*Chem Phys Lipids* 2008 **151** (2) 69
- <sup>13</sup>C NMR, GC and HPLC characterization of lipid components of the salted and dried mullet (*Mugil cephalus*) roe "bottarga"
- Schripsema J// Delft Univ Technol, Dept Biotechnol, Julianalaan 67, NL-2628 BC Delft, The Netherlands  
*J Agric Food Chem* 2008 **56** (8) 2547
- Comprehensive analysis of polar and apolar constituents of butter and margarine by nuclear magnetic resonance, reflecting quality and production processes
- Van Ruth SM, Koot A, Akkermans W, Araghipour N, Rozijn M, Baltussen M, Wisthale A, Mark TD, Frankhuizen R// Wageningen UR, RIKILT, Inst Food Safety, POB 230, NL-6700 AE Wageningen, The Netherlands  
*Eur Food Res Technol* 2008 **227** (1) 307
- Butter and butter oil classification by PTR-MS
- ## 6. Vitamins & co-factors
- Barros L, Correia DM, Ferreira ICFR\*, Baptista P, Santos-Buelga C// \*Inst Politecn Braganca, CIMO-Escola Super Agraria, Campus de Sta Apolonia, Apdo 1172, PT-5301-855 Braganca, Portugal  
*Food Chem* 2008 **110** (4) 1046
- Optimization of the determination of tocopherols in *Agaricus* sp. edible mushrooms by a normal phase liquid chromatographic method
- Brady J, Wilson L, McGregor L, Valente E, Orning L// \*Axis-Shield POC, Ulvenveien 87, POB 206 Okern, NO-0510 Oslo, Norway  
*Clin Chem* 2008 **54** (3) 567
- Active B12: A rapid, automated assay for holotranscobalamin on the Abbott AxSYM analyzer
- Gutzeit D, Monch S, Jerz G, Winterhalter P, Rychlik M// \*Tech Univ Munich, Lichtenbergstr 4, DE-85748 Garching, Germany  
*Anal Bioanal Chem* 2008 **391** (1) 211
- Folate content in sea buckthorn berries and related products (*Hippophae rhamnoides* L. ssp *rhamnoides*): LC-MS/MS determination of folate vitamer stability influenced by processing and storage assessed by stable isotope dilution assay
- Higashi T, Shibayama Y, Fuji M, Shimada K// Kanazawa Univ, Div Pharmaceut Sci, Kakuma machi, Kanazawa, Ishikawa 920 119, Japan  
*Anal Bioanal Chem* 2008 **391** (1) 229
- Liquid chromatography-tandem mass spectrometric method for the determination of salivary 25-hydroxyvitamin D<sub>3</sub>: A noninvasive tool for the assessment of vitamin D status
- Humayoun Akhtar M, Bryan M// Agric & Agri-Food Canada, Guelph Food Res Ctr, 93 Stone Rd West, Guelph, Ontario, Canada N1G 5C9  
*Food Chem* 2008 **111** (1) 255
- Extraction and quantification of major carotenoids in processed foods and supplements by liquid chromatography
- Ke JH, Tseng HJ, Hsu CT, Chen JC, Muthuraman G, Zen JM// \*Natl Chung Hsing Univ, Dept Chem, Taichung 402, Taiwan  
*Sensor Actuator B Chem* 2008 **130** (2) 614
- Flow injection analysis of ascorbic acid based on its thermoelectrochemistry at disposable screen-printed carbon electrodes
- Kienen V, Costa WF, Visentainer JV, Souza NE, Oliveira CC// \*Univ Estadual Maringa, Dept Quim, Av Colombo 5790, BR-87020-990 Maringa, Pa, Brazil  
*Talanta* 2008 **75** (1) 141
- Development of a green chromatographic method for determination of fat-soluble vitamins in food and pharmaceutical supplement
- Liu N, Yang C\*, Zhang ZJ, Tian Y, Xu FG, Chen Y// \*China Pharmaceut Univ, MoE Key Lab Drug Qual Control & Pharmacovigilance, CN-210009 Nanjing, Peoples Rep China  
*Chromatographia* 2008 **67** (7-8) 583
- Simultaneous quantification of sodium ferulate, salicylic acid, cinnarizine and vitamin B<sub>1</sub> in human plasma by LC tandem MS detection
- Nielsen MM, Hansen A// \*Univ Copenhagen, Dept Food Sci Qual & Technol, Rolighedsvej 30, DK-1958 Frederiksberg, Denmark  
*Cereal Chem* 2008 **85** (2) 248
- Rapid high-performance liquid chromatography determination of tocopherols and tocotrienols in cereals
- Paixao TRLC, Bertotti M// \*USP, Inst Quim, BR-05508-900 Sao Paulo, Brazil  
*J Pharm Biomed Anal* 2008 **46** (3) 528
- FIA determination of ascorbic acid at low potential using a ruthenium oxide hexacyanoferrate modified carbon electrode
- Verlinde P, Oey I, Hendrickx M, Van Loey A// \*Katholieke Univ Leuven, Dept M2S, Lab Food Technol, Leuven Food Sci & Nutr Res Ctr, Kasteelpark Arenberg 22, BE-3001 Leuven, Belgium  
*Food Chem* 2008 **111** (1) 220
- High-pressure treatments induce folate polyglutamate profile changes in intact broccoli (*Brassica oleracea* L. cv. Italica) tissue
- Xue XP, You JM, He PL// \*China Agric Univ, Coll Anim Sci & Technol, 2 Yuanmingyuan West Rd, CN-100094 Beijing, Peoples Rep China  
*J Chromatogr Sci* 2008 **46** (4) 345
- Simultaneous determination of five fat-soluble vitamins in feed by high-performance liquid chromatography following solid-phase extraction

- Yazynina E, Johansson M, Jagerstad M, Jastrebova J\*/ \*Uppsala BioCenter, Dept Food Sci, PO Box 7051, SE-75007 Uppsala, Sweden  
*Food Chem* 2008 **111** (1) 236  
 Low folate content in gluten-free cereal products and their main ingredients
- Yogeswaran U, Chen SM\*/ \*Natl Taipei Univ Technol, Dept Chem Engn & Biotechnol, 1 Sect 3 Chung Hsiao East Rd, Taipei 106, Taiwan  
*Sensor Actuator B Chem* 2008 **130** (2) 739  
 Multi-walled carbon nanotubes with poly(methylene blue) composite film for the enhancement and separation of electroanalytical responses of catecholamine and ascorbic acid
- Santos LGC, Fernandes EADN, Tagliaferro FS, Bacchi MA// Univ Sao Paulo, CENA, POB 96, BR-13400-970 Piracicaba, Brazil  
*J Radioanal Nucl Chem* 2008 **276** (1) 107  
 Characterization of Brazilian commercial milks by instrumental neutron activation analysis
- Waheed S, Ahmad S// Pakistan Inst Nucl Sci & Technol, Directorate Sci, Div Chem, PO Nilore, PK-45650 Islamabad, Pakistan  
*J AOAC Int* 2008 **91** (2) 392  
 Instrumental neutron activation analysis of different products from the sugarcane industry in Pakistan - Part 1: Essential elements for nutritional adequacy

## 7. Trace elements & minerals

- Anderson DL, Cunningham WC// US/FDA, Elemental Res Branch, HFS 338, 5100 Paint Branch Pkwy, College Park, Md 20740, USA  
*J Radioanal Nucl Chem* 2008 **276** (1) 23  
 Compton suppression spectrometry for analysis of short-lived neutron activation products in foods
- Ansari R, Kazi TG, Jamali MK, Arain MB, Sherazi ST, Jalbani N, Afridi HI// Univ Sindh, Natl Ctr Excellence Anal Chem, PK-76080 Jamshoro, Pakistan  
*J AOAC Int* 2008 **91** (2) 400  
 Improved extraction method for the determination of iron, copper, and nickel in new varieties of sunflower oil by atomic absorption spectroscopy
- Ariyama K, Kadokura M, Suzuki T// Food & Agric Material Inspection Ctr, Saitamashintoshin Gdochosha Kensato Bldg, 2-1 Shintoshin, Chuo ku, Saitama 330 9731, Japan  
*J AOAC Int* 2008 **91** (2) 445  
 Estimation of discrimination errors in the technique for determining the geographic origin of onions by mineral composition: Interlaboratory study
- Ataro A, McCrindle RI\*, Botha BM, McCrindle CME, Ndibewu PP// \*Tshwane University Technol, Dept Chem, PO Box 56208, ZA-0007 Arcadia, Rep Sth Africa  
*Food Chem* 2008 **111** (1) 243  
 Quantification of trace elements in raw cow's milk by inductively coupled plasma mass spectrometry (ICP-MS)
- Beasley D, Gomez-Morilla I, Spyrou N// University Surrey, School Elect & Physical Science, Dept Phys, Ctr Nucl & Radiat Phys, Guildford GU2 7XH, England  
*J Radioanal Nucl Chem* 2008 **276** (1) 101  
 Elemental analysis of hair using PIXE-tomography and INAA
- Da Silva EGP, Hatje V, Dos Santos WNL, Costa LM, Nogueira ARA, Ferreira SLC\*/ \*Univ Fed Bahia, Inst Quim Nucl Excelencia Quim Anal Bahia, Campus Univ Ondina, BR-40170-290 Salvador, BA, Brazil  
*J Food Compos Anal* 2008 **21** (3) 259  
 Fast method for the determination of copper, manganese and iron in seafood samples
- Dufailly V, Noel L, Guerin T\*/ \*AFSSA LERQAP, Unite Contaminants Inorgan & Mineraux Environm, 23 Ave G Gaulle, FR-94706 Maisons Alfort, France  
*Anal Chim Acta* 2008 **611** (2) 134  
 Optimisation and critical evaluation of a collision cell technology ICP-MS system for the determination of arsenic in foodstuffs of animal origin
- Freitas MC, Pacheco AMG, Bacchi MA, Dionisio I, Landsberger S, Braisted J, Fernandes EAN// Reactor-ITN, Technol & Nucl Inst, EN 10, PT-2686-953 Sacavem, Portugal  
*J Radioanal Nucl Chem* 2008 **276** (1) 149  
 Compton suppression instrumental neutron activation analysis performance in determining trace- and minor-element contents in foodstuff
- Li R, Huang XL, Jiang ZT\*/ \*Tianjin Univ Commerce, Dept Food Sci & Engn, CN-300134 Tianjin, Peoples Rep China  
*Eur Food Res Technol* 2008 **227** (1) 111  
 Determination of trace amounts of cobalt in foods by polymer-phase fluorophotometry with thiamine
- Reid HJ, Basharnmakh AA, Goodall PS, Landon MR, O'Connor C, Sharp BL// Loughborough University Technol, Dept Chem, Loughborough LE11 3TU, England  
*Talanta* 2008 **75** (1) 189  
 Determination of iodine and molybdenum in milk by quadrupole ICP-MS
- Reyes LH, Rahman GMM, Fahrenholz T, Kingston HMS\*/ \*Duquesne Univ, Dept Chem & Biochem, Pittsburgh, Pa 15282, USA  
*Anal Bioanal Chem* 2008 **390** (8) 2123  
 Comparison of methods with respect to efficiencies, recoveries, and quantitation of mercury species interconversions in food demonstrated using tuna fish
- Saiki M, Alves ER, Jaloul O, Sumita NM, Filho WJ// IPEN CNEN/SP, Inst Pesquisas Energet & Nucl, Av Prof Lineu Prestes 2242, BR-05508-000 Sao Paulo, Brazil  
*J Radioanal Nucl Chem* 2008 **276** (1) 53  
 Determination of trace elements in scalp hair of an elderly population by neutron activation analysis
- Battu RS, Singh B, Kooner R, Singh B\*/ \*Punjabi Agric Univ, Dept Entomol, Pesticide Residue Anal Lab, IN-141004 Ludhiana, Punjab, India  
*J Agric Food Chem* 2008 **56** (7) 2299  
 Simple and efficient method for the estimation of residues of flubendiamide and its metabolite desiodo flubendiamide
- Cajka T, Hajlova J\*, Lacina O, Mastovska K, Lehotay SJ// \*Prague Inst Chem Technol, Fac Food & Biochem Technol, Dept Food Chem & Anal, Technicka 3, CZ-16628 Prague 6, Czech Republic  
*J Chromatogr A* 2008 **1186** (1-2) 281  
 Rapid analysis of multiple pesticide residues in fruit-based baby food using programmed temperature vaporiser injection-low-pressure gas chromatography-high-resolution time-of-flight mass spectrometry
- De Abreu Franchini RA, Matos MAC, Colombara R, Matos RC\*/ \*Univ Fed de Juiz de Fora, Inst Ciencias Exatas, Dept Quim, NUPIS, BR-36036-330 Juiz de Fora, MG, Brazil  
*Talanta* 2008 **75** (1) 301  
 Differential amperometric determination of hydrogen peroxide in honeys using flow-injection analysis with enzymatic reactor
- El Mhammedi MA, Bakasse M, Bachirat R, Chtaini A// Univ Cadi Ayyad, Fac Sci Technol, Equipe Electrochim & Materiaux Inorgan, BP 523, Beni-Mellal, Morocco  
*Food Chem* 2008 **110** (4) 1001  
 Square wave voltammetry for analytical determination of paraquat at carbon paste electrode modified with fluoroapatite
- Jia XF, Shao B\*, Wu YN, Yang Y, Zhang J// \*Beijing Ctr Dis Control & Prevent, CN-100013 Beijing, Peoples Rep China  
*J AOAC Int* 2008 **91** (2) 461  
 Simultaneous determination of tetracyclines and quinolones antibiotics in egg by ultra-performance liquid chromatography-electrospray tandem mass spectrometry
- Kim B, Perkins LB, Bushway RJ\*, Nesbit S, Fan T, Sheridan R, Greene V// \*Univ Maine, Dept Food Sci & Human Nutr, 5735 Hitchner Hall, Orono, Me 04469, USA  
*J AOAC Int* 2008 **91** (2) 408  
 Determination of melamine in pet food by enzyme immunoassay, high-performance liquid chromatography with diode array detection, and ultra-performance liquid chromatography with tandem mass spectrometry
- Lai WH, Fung DYC, Xu Y, Xiong YH// Nanchang Univ, MoE Key Lab Food Sci, CN-330047 Nanchang, Peoples Rep China  
*J Food Prot* 2008 **71** (4) 865  
 Screening procedures for clenbuterol residue determination in raw swine livers using lateral-flow assay and enzyme-linked immunosorbent assay
- Mercader JV, Suarez-Pantaleon C, Agullo C, Abad-Somovilla A, Abad-Fuentes A\*/ \*CSIC-IATA, Dept Biotechnol, POB 73, ES-46100 Valencia, Spain  
*J Agric Food Chem* 2008 **56** (8) 2581  
 Hapten synthesis and monoclonal antibody-based immunoassay development for detection of the fungicide triplexostrobin
- Nielen MWF, Lasaroms JJP, Essers ML, Oosterink JE, Meijer T, Sanders MB, Zuidema T, Stolker AAM// RIKILT - Inst Food Safety, POB 230, NL-6700 AE Wageningen, The Netherlands  
*Anal Bioanal Chem* 2008 **391** (1) 199  
 Multiresidue analysis of  $\beta$ -agonists in bovine and porcine urine, feed and hair using liquid chromatography electrospray ionisation tandem mass spectrometry
- Nyman PJ, Morehouse KM, Perfetti GA, Diachenko GW, Holcomb JR// US/FDA, Ctr Food Safety & Appl Nutr, HSF 706, 5100 Paint Branch Pkwy, College Park, Md 20740, USA  
*J AOAC Int* 2008 **91** (2) 414  
 Single-laboratory validation of a method for the determination of furan in foods by using headspace gas chromatography/mass spectrometry, Part 2 - Low-moisture snack foods
- Ramon-Azcon J, Valera E, Rodriguez A, Barranco A, Alfaro B, Sanchez-Baeza F, Marco MP\*/ \*CSIC, CIBER Bioengn Biomaterials & Nanomed, AMRG, Jordi Girona 18-26, ES-08034 Barcelona, Spain  
*Biosens Bioelectron* 2008 **23** (9) 1367  
 An impedimetric immunosensor based on interdigitated microelectrodes (ID $\mu$ E) for the determination of atrazine residues in food samples

- Ravelo-Perez LM, Hernandez-Borges J, Borges-Miquel TM, Rodriguez-Delgado MA// \*Univ La Laguna, Dept Anal Chem, Avda Astrofisico Feo Sanchez s/n, ES-38071 Tenerife, Canary Islands, Spain  
*J Chromatogr A* 2008 **1185** (1) 151  
 Pesticide analysis in tomatoes by solid-phase microextraction and micellar electrokinetic chromatography
- Reguera C, Ortiz MC\*, Herrero A, Sarabia LA// \*Univ Burgos, Dept Chem, Pza Misael Banuelos s/n, ES-09001 Burgos, Spain  
*Talanta* 2008 **75** (1) 274  
 Optimization of a FIA system with amperometric detection by means of a desirability function - Determination of sulfadiazine, sulfamethazine and sulfamerazine in milk
- Rummel N, Shaikh B// \*US/FDA, Ctr Veterinary Med, Res Off, 8401 Muirkirk Rd, Laurel, Md 20708, USA  
*J AOAC Int* 2008 **91** (2) 469  
 Determination of albendazole and its metabolites in the muscle tissue of hybrid striped and largemouth bass using liquid chromatography with fluorescence detection
- Samanidou VF, Tolika EP, Papadoyannis IN// \*Aristotle Univ Thessaloniki, Dept Chem, Anal Chem Lab, GR-54124 Thessaloniki, Greece  
*J Liq Chromatogr Relat Technol* 2008 **31** (9) 1358  
 Development and validation of an HPLC confirmatory method for the residue analysis of four sulphonamides in cow's milk according to the European union decision 2002/657/EC
- Schenck FJ, Brown AN, Podhorniak LV, Parker A, Reliford M, Wong JW// US/FDA, SE Reg Lab, Atlanta Ga 30309, USA  
*J AOAC Int* 2008 **91** (2) 422  
 A rapid multiresidue method for determination of pesticides in fruits and vegetables by using acetonitrile extraction/partitioning and solid-phase extraction column cleanup
- Schurek J, Portoles T, Hajslova J\*, Riddellova K, Hernandez F// \*Prague Inst Chem Technol, Fac Food & Biochem Technol, Dept Food Chem & Anal, Technicka 5, CZ-16628 Prague 6, Czech Republic  
*Anal Chim Acta* 2008 **611** (2) 163  
 Application of head-space solid-phase microextraction coupled to comprehensive two-dimensional gas chromatography-time-of-flight mass spectrometry for the determination of multiple pesticide residues in tea samples
- Shamsipur M, Hassan J, Salar-Amoli J, Yamini Y// Razi Univ, Dept Chem, Kermanshah, Iran  
*J Food Compos Anal* 2008 **21** (3) 264  
 Headspace solvent microextraction-gas chromatographic thermionic specific detector determination of amitraz in honey after hydrolysis to 2,4-dimethylaniline
- Sun HW, Wang FC, Ai LF// Hebei Univ, Coll Chem & Environm Sci, Key Lab Anal Sci & Technol Hebei Province, CN-071002 Baoding, Peoples Rep China  
*J Chromatogr Sci* 2008 **46** (4) 351  
 Determination of clostanel residues in milk and animal tissues by HPLC with fluorescence detection and SPE with Oasis MAX cartridges
- Sundravadana S, Alice D, Samiyappan R, Kuttalam S// Ctr Plant Protect Studies, Dept Plant Pathol, IN-641003 Coimbatore, India  
*J Brazil Chem Soc* 2008 **19** (1) 60  
 Determination of azoxystrobin residue by UV detection high performance liquid chromatography in mango
- Surma-Zadora M, Grochowski A// Agric Univ Krakow, Fac Food Sci & Technol, Malopolska Ctr Food Monit & Certification, Balicka 122, PL-30149 Krakow, Poland  
*Food Chem* 2008 **111** (1) 230  
 Using a membrane technique (SPM) for high fat food sample preparation in the determination of chlorinated persistent organic pollutants by a GC/ECD method
- Van der Lee MK, Van der Weg G, Traag WA, Mol HGJ// Univ Wageningen & Res Ctr, RIKILT - Inst Food Safety, Bornsesteeg 45, NL-6708 PD Wageningen, The Netherlands  
*J Chromatogr A* 2008 **1186** (1-2) 325  
 Qualitative screening and quantitative determination of pesticides and contaminants in animal feed using comprehensive two-dimensional gas chromatography with time-of-flight mass spectrometry
- Ventura R, Roig M, Perez B, Lopez S, Medina M, Bosch J, Segura JJ// Inst Municipal Invest Med, Unitat Recerca Farmacol, Parc Recerca Biomed Barcelona, Dr Aiguader 88, ES-08003 Barcelona, Spain  
*Rapid Commun Mass Spectrom* 2008 **22** (12) 1863  
 Detection of the administration of 17 $\beta$ -nortestosterone in boars by gas chromatography/mass spectrometry
- Wang L, Wang S\*, Zhang JY, Liu JW, Zhang Y// \*Tianjin Univ Sci & Technol, MoE Tianjin Key Lab Food Nutr & Safety, CN-300222 Tianjin, Peoples Rep China  
*Anal Bioanal Chem* 2008 **390** (6) 1619  
 Enzyme-linked immunosorbent assay and colloidal gold immunoassay for sulphamethazine residues in edible animal foods: Investigation of the effects of the analytical conditions and the sample matrix on assay performance
- Zhang S, Liu Z, Zhou N, Wang Z, Shen J// \*China Agric Univ, Coll Veterinary Med, Dept Vet Pharmacol & Toxicol, CN-100094 Beijing, Peoples Rep China  
*Anal Chim Acta* 2008 **612** (1) 83  
 A liposome immune lysis assay for enrofloxacin in carp and chicken muscle
- Zou ML, Gao HX, Li JF, Xu F, Wang L, Jiang JZ// A3 Nth Gaobeidian Rd, Chaoyang Dist, CN-100025 Beijing, Peoples Rep China  
*Anal Biochem* 2008 **374** (2) 318  
 Rapid determination of hazardous compounds in food based on a competitive fluorescence microsphere immunoassay
- ## 9. Toxins/Allergens
- Attallah ER, Gomaa AM, Amer ME, Gad SA// Cent Lab Residue Anal Pesticides & Heavy Metals Food, Agric Res Ctr, Giza, Egypt  
*J Food Agric Environ* 2008 **6** (2) 130  
 Validation of analytical method for determination of ochratoxin A in cereals by C<sub>18</sub> solid phase extraction and high-performance liquid chromatography with fluorescence detection
- Dai M, Xie P\*, Liang GD, Chen J, Lei HH// \*Chinese Acad Sci, State Key Lab Freshwater Ecol & Biotechnol China, Donghu Expt Stn Lake Ecosystems, CN-430072 Wuhan, Peoples Rep China  
*J Chromatogr B* 2008 **862** (1-2) 43  
 Simultaneous determination of microcystin-LR and its glutathione conjugate in fish tissues by liquid chromatography-tandem mass spectrometry
- Feng XJ, Chen S, Xu YZ, Du W, Luo QM, Liu BF// \*Huazhong Univ Sci & Tech, MoE Key Lab Biomed Photonics, CN-430074 Wuhan, Peoples Rep China  
*J Sep Sci* 2008 **31** (5) 824  
 Separation and determination of biogenic amines in fish using MEKC with novel multiphoton excitation fluorescence detection
- Garber EAE, O'Brien TW// US/FDA, Div Bioanal Chem, Ctr Food Safety & Appl Nutr, 5100 Paint Branch Pkwy, College Park, Md 20740, USA  
*J AOAC Int* 2008 **91** (2) 376  
 Detection of ricin in food using electrochemiluminescence-based technology
- Ghali R, Hmaissia-Khlifa K, Mezigh C, Ghorbel H, Maaroufi K, Maschgoul S, Hedili A// Ctr Urgent Med Aid Tunis, Res Unit Toxicol & Environm, Lab Biol & Toxicol, TN-1008 Tunis, Tunisia  
*Anal Lett* 2008 **41** (5) 757  
 HPLC determination of ochratoxin A in a low volume of human blood serum
- Gianotti V, Chiurminatto U, Mazzucco E, Gosetti F, Bottaro M, Frascarolo P, Gennaro MC// \*Univ Piemonte Orientale, DISAV - Dipt Sci Ambientale & Vita, Via Bellini 25/G, IT-15100 Alessandria, Italy  
*J Chromatogr A* 2008 **1185** (2) 296  
 A new hydrophilic interaction liquid chromatography tandem mass spectrometry method for the simultaneous determination of seven biogenic amines in cheese
- Molinelli A, Grossalber K, Fuehrer M, Baumgartner S, Sulyok M, Krska R// \*Univ Nat Resources & Appl Life Sci, Christian Doppler Lab Mycotoxin Res, Ctr Anal Chem, AT-3430 Vienna, Austria  
*J Agric Food Chem* 2008 **56** (8) 2589  
 Development of qualitative and semiquantitative immunoassay-based rapid strip tests for the detection of T-2 toxin in wheat and oat
- Scarlato A, Cadotte AJ, DeMarse TB, Welt BA// Univ Florida, Dept Agric & Biol Engn, Gainesville, Fl 32611, USA  
*J Food Sci* 2008 **73** (3) E129  
 Cortical networks grown on microelectrode arrays as a biosensor for botulinum toxin
- Sheibani A, Tabrizchi M\*, Ghaziaskar HS// \*Isfahan Univ Technol, Dept Chem, 84156-83111, Isfahan, Iran  
*Talanta* 2008 **75** (1) 233  
 Determination of aflatoxins B1 and B2 using ion mobility spectrometry
- Taylor AD, Ladd J, Etheridge S\*, Deeds J, Hall S, Jiang SY// \*US/FDA, Ctr Food Safety & Appl Nutr, College Park, Md 20740, USA  
*Sensor Actuator B Chem* 2008 **130** (1) 120  
 Quantitative detection of tetrodotoxin (TTX) by a surface plasmon resonance (SPR) sensor
- Xavier JJM, Scussel VM// \*Univ Fed Santa Catarina, Dept Food Sci & Technol, Ctr Agric Sci, Florianopolis, SC, Brazil  
*Int J Environ Anal Chem* 2008 **88** (6) 425  
 Development of an LC-MS/MS method for the determination of aflatoxins B<sub>1</sub>, B<sub>2</sub>, G<sub>1</sub>, and G<sub>2</sub> in Brazil nut
- ## 10. Additives
- Grundy HH, Reece P, Sykes MD, Clough JA, Audsley N, Stones R// Defra Central Sci Lab, Sand Hutton, York YO41 1LZ, England  
*Rapid Commun Mass Spectrom* 2008 **22** (12) 2006  
 Method to screen for the addition of porcine blood-based binding products to foods using liquid chromatography/triple quadrupole mass spectrometry

- Loginova LP, Kulikov AU, Yakovleva EY, Boichenko AP// Kharkov VN Karazin Natl Univ, Dept Chem Metrol, Svoboda Sq 4, UA-61077 Kharkov, Ukraine  
*Chromatographia* 2008 **67** (7-8) 615  
 MLC determination of preservatives in cranberry foodstuffs
- Lozano VA, Ibanez GA\*, Olivieri AC// \*Univ Nacl Rosario, Dept Quim Analit, Suipacha 531, AR-2002 Rosario, Santa Fe, Argentina  
*Anal Chim Acta* 2008 **610** (2) 186  
 Three-way partial least-squares/residual bilinearization study of second-order lanthanide-sensitized luminescence excitation-time decay data - Analysis of benzoic acid in beverage samples
- Muniz-Valencia R, Ceballos-Magana SG, Gonzalo-Lumbreras R, Santos-Montes A, Lzquierdo-Hornillos RR// Univ Complutense, Fac Ciencias Quim, Dept Quim Anal, ES-28040 Madrid, Spain  
*J Sep Sci* 2008 **31** (4) 727  
 GC-MS method development and validation for anabolic steroids in feed samples
- Zhang YL, Xia WS// \*Sthn Yangtze Univ, Sch Food Sci & Technol, CN-214036 Wuxi, Jiangsu Prov, Peoples Rep China  
*Int J Food Sci Technol* 2008 **43** (5) 927  
 A novel method for the determination of sodium chloride in salted fish
- ## 11. Flavours & aromas
- Ali L, Perfetti G, Diachenko G// US/FDA, Ctr Food Safety & Appl Nutr, 5100 Paint Branch Pkwy, College Park, Md 20740, USA  
*J AOAC Int* 2008 **91** (2) 383  
 Rapid method for the determination of coumarin, vanillin, and ethyl vanillin in vanilla extract by reversed-phase liquid chromatography with ultraviolet detection
- Campo E, Cacho J, Ferreira V// \*Univ Zaragoza, Fac Sci, Dept Anal Chem, Lab Flavor Anal & Enol, ES-50009 Zaragoza, Spain  
*J Agric Food Chem* 2008 **56** (7) 2477  
 The chemical characterization of the aroma of dessert and sparkling white wines (Pedro Ximenez, Fino, Sauternes, and Cava) by gas chromatography-olfactometry and chemical quantitative analysis
- De Koning S, Kaal E, Janssen HG, Van Platerink C, Brinkman UAT// LECO Instrumente, Dept Separat Sci, Marie-Bernays-Ring 31, DE-41199 Monchen-gladbach, Germany  
*J Chromatogr A* 2008 **1186** (1-2) 228  
 Characterization of olive oil volatiles by multi-step direct thermal desorption-comprehensive gas chromatography-time-of-flight mass spectrometry using a programmed temperature vaporizing injector
- Grosso C, Ferraro V, Figueiredo AC, Barroso JG, Coelho JA, Palavra AM\*// \*Inst Superior Tecnico, Dept Engn Quim & Biol, Av Rovisco Pais 1, PT-1049-001 Lisbon, Portugal  
*Food Chem* 2008 **111** (1) 197  
 Supercritical carbon dioxide extraction of volatile oil from Italian coriander seeds
- Ha J, Han KJ, Kim KJ, Jeong SW// Korea Food Res Inst, Food Standard Ctr, 516 Baekhyeon, Songnam 463 746, Gyeonggi, South Korea  
*J AOAC Int* 2008 **91** (2) 387  
 Gas chromatographic analysis of capsaicin in Gochujang
- Heinz M, Schreiter P, Baumann M// Chem & Veterinaruntersuchungsamt Stuttgart, Schaflandstr 3/2, DE-70736 Fellbach, Germany  
*Dtsch Lebensm Rundsch* 2008 **104** (4) 166  
 Determination of sucralose by isotope-dilution liquid chromatography tandem mass spectrometry
- Jahouach-Rabai W, Trabelsi M\*, Van Hoed V, Adams A, Verhe R, De Kimpe N, Frikha MH// \*Fac Sci Sfax, Lab Chim Appliquee Heterocycles Corps Gras & Polymeres, Route Soukra km 3.5, TN-3018 Sfax, Tunisia  
*Ultrason Sonochemistry* 2008 **15** (4) 590  
 Influence of bleaching by ultrasound on fatty acids and minor compounds of olive oil. Qualitative and quantitative analysis of volatile compounds (by SPME coupled to GC/MS)
- Pena RM, Barciela J, Herrero C, Garcia-Martin S\*// \*Univ Santiago de Compostela, Dept Quim Anal Nutr & Bromatol, ES-27002 Lugo, Spain  
*J Agric Food Chem* 2008 **56** (8) 2788  
 Headspace solid-phase microextraction gas chromatography-mass spectrometry analysis of volatiles in orujo spirits from a defined geographical origin
- Ponzoni A, Depari A, Falasconi M, Comini E, Flammini A, Marioli D, Taroni A, Sberveglieri G// CNR-INFN, Sensor Lab, Via Valotti 9, IT-25133 Brescia, Italy  
*Sensor Actuator B Chem* 2008 **130** (1) 100  
 Bread baking aromas detection by low-cost electronic nose
- Risner CH// RJ Reynolds Tobacco Co, Bowman Gray Tech Ctr, PO Box 1487, Winston Salem, NC 27102, USA  
*J Liq Chromatogr Relat Technol* 2008 **31** (9) 1337  
 Evaluation of HPLC mobile phases and extracts for the determination of glycyrrhetic acid in licorice and tobacco
- Zeng Z, Zhang H\*, Chen JY, Zhang T, Matsunaga R// \*Akita Prefectural Univ, Kaidobata nishi 241-438, Akita City, Akita 010 0195, Japan  
*Cereal Chem* 2008 **85** (2) 140  
 Flavor volatiles of rice during cooking analyzed by modified headspace SPME/GC-MS
- Zhang ZM, Zeng DD, Li GK// \*Sun Yat Sen University, School Chemistry & Chemical Engineering, CN-510275 Guangzhou, Guangdong Prov, Peoples Rep China  
*J Sci Food Agric* 2008 **88** (6) 1035  
 Study of the volatile profile characteristics of longan during storage by a combination sampling method coupled with GC/MS
- ## 13. Animal products
- Eugster A, Ruf J, Rentsch J, Hubner P, Koppel R// \*Official Food Control Authority Canton Zurich, Zurich, Switzerland  
*Eur Food Res Technol* 2008 **227** (1) 17  
 Quantification of beef and pork fraction in sausages by real-time PCR analysis: Results of an interlaboratory trial
- Faeste CK, Plassen C// Natl Veterinary Inst, POB 8156 Dep, NO-0033 Oslo, Norway  
*J Immunol Methods* 2008 **329** (1-2) 45  
 Quantitative sandwich ELISA for the determination of fish in foods
- Fajardo V, Gonzalez I\*, Martin I, Rojas M, Hernandez PE, Garcia T, Martin R// \*Universidad Complutense, Facultad Veterinaria, Departamento Nutricion Bromatologia & Tecnologia Alimentos, Avenida Puerta de Hierro, Ciudad Universitaria, ES-28040 Madrid, Spain  
*Meat Sci* 2008 **79** (2) 289  
 Real-time PCR for detection and quantification of red deer (*Cervus elaphus*), fallow deer (*Dama dama*), and roe deer (*Capreolus capreolus*) in meat mixtures
- Horvath K, Seregly Z, Andrssy E, Dalmadi I, Farkas J// Corvinus Univ Budapest, Dept Refrigerat & Livestock Prod, Menesi ut 45, HU-1118 Budapest, Hungary  
*Acta Aliment* 2008 **37** (1) 93  
 A preliminary study using near infrared spectroscopy to evaluate freshness and detect spoilage in sliced pork meat
- Prieto N, Andres S, Giraldez FJ, Mantecon AR, Lavin P// CSIC, Estacion Agric Expt, ES-24346 Leon, Spain  
*Meat Sci* 2008 **79** (1) 198  
 Discrimination of adult steers (oxen) and young cattle ground meat samples by near infrared reflectance spectroscopy (NIRS)
- Wu D, He Y\*, Feng S// \*Zhejiang University, College Biosystem Engineering & Food Science, 268 Kaixuan Rd, CN-310029 Hangzhou, Zhejiang, Peoples Rep China  
*Anal Chim Acta* 2008 **610** (2) 232  
 Short-wave near-infrared spectroscopy analysis of major compounds in milk powder and wavelength assignment
- Zelenakova L, Golian J, Zaiac P// Slovak Agric Univ, Fac Food Sci & Biotechnol, Dept Food Hyg & Safety, Trieda A Hlinku 2, SK-94901 Nitra, Slovakia  
*Milchwissenschaft* 2008 **63** (2) 137  
 Application of ELISA tests for the detection of goat milk in sheep milk
- ## 14. Plant & microbial products
- Abad-Garcia B, Garmon-Lobato S, Berrueta LA\*, Gallo B, Vicente F// \*Univ Pais Vasco, Fac Ciencia & Tecnol, Dept Quim Anal, PO Box 644, ES-48080 Bilbao, Spain  
*Rapid Commun Mass Spectrom* 2008 **22** (12) 1834  
 New features on the fragmentation and differentiation of C-glycosidic flavone isomers by positive electrospray ionization and triple quadrupole mass spectrometry
- Adil IH, Yener ME, Bayindirli A\*// \*Middle East Tech Univ, Dept Food Engn, TR-06531 Ankara, Turkey  
*Separ Sci Technol* 2008 **43** (5) 1091  
 Extraction of total phenolics of sour cherry pomace by high pressure solvent and supercritical fluid and determination of the antioxidant activities of the extracts
- Alighourchi H, Barzegar M\*, Abbasi S// \*Tarbiat Modares Univ, Dept Food Sci & Technol, PO Box 14115-336, Tehran, Iran  
*Food Chem* 2008 **110** (4) 1036  
 Effect of gamma irradiation on the stability of anthocyanins and shelf-life of various pomegranate juices
- Arapitsas P// Univ Firenze, Dipt Sci Farmaceut, Polo Scient & Tecnol, Via U Schiff 6, IT-50019 Sesto Fiorentino, FI, Italy  
*Food Chem* 2008 **110** (4) 1041  
 Identification and quantification of polyphenolic compounds from okra seeds and skins

- Bilia AR, Giomi M, Innocenti M, Gallori S, Vincieri FF// University Florence, Department Pharmaceut Sci, Via Ugo Schiff 6, IT-50019 Sesto Fiorentino, FI, Italy  
*J Pharm Biomed Anal* 2008 **46** (3) 463
- HPLC-DAD-ESI-MS analysis of the constituents of aqueous preparations of verbena and lemon verbena and evaluation of the antioxidant activity
- Buratti S, Scampicchio M\*, Giovanelli G, Mannino S// \*Univ Milan, Dept Food Sci & Technol, Via Celoria 2, IT-20133 Milan, Italy  
*Talanta* 2008 **75** (1) 312
- A low-cost and low-tech electrochemical flow system for the evaluation of total phenolic content and antioxidant power of tea infusions
- Callemien D, Guyot S, Collin S// \*Univ Catholique Louvain, Unite Brasserie & Ind Alimentaires, Croix du Sud 2/bte 7, BE-1348 Louvain, Belgium  
*Food Chem* 2008 **110** (4) 1012
- Use of thiolytic hyphenated to RP-HPLC-ESI(-)-MS/MS for the analysis of flavanoids in fresh lager beers
- Chen QS, Zhao JW, Liu MH, Cai JR, Liu JH// Jiangsu Univ, Sch Food & Biol Engn, CN-212013 Zhenjiang, Peoples Rep China  
*J Pharm Biomed Anal* 2008 **46** (3) 568
- Determination of total polyphenols content in green tea using FT-NIR spectroscopy and different PLS algorithms
- Consonni R, Cagliani LR, Benevelli F, Spraul M, Humpfer E, Stocchero M// CNR, Ist Studio Macromol, Lab NMR, Bassini 15, IT-20133 Milan, Italy  
*Anal Chim Acta* 2008 **611** (1) 31
- NMR and chemometric methods: A powerful combination for characterization of Balsamic and Traditional Balsamic Vinegar of Modena
- EIKaoutit M, Naranjo-Rodriguez I, Temsamani KR, Hernandez-Artiga MP, Bellido-Milla D, Hidalgo-Hidalgo de Cisneros JL\*// \*Univ Cadiz, Fac Ciencias, Dept Quim Anal, Apdo 40, ES-11510 Real Cadiz, Spain  
*Food Chem* 2008 **110** (4) 1019
- A comparison of three amperometric phenoloxidase-Sonogel-Carbon based biosensors for determination of polyphenols in beers
- Harbourne N, Jacquier JC\*, Morgan DJ, Lyng JG// \*UCD Dublin, Sch Agric Food Sci & Veterinary Med, Belfield, Dublin 4, Rep Ireland  
*Food Chem* 2008 **111** (1) 204
- Determination of the degradation kinetics of anthocyanins in a model juice system using isothermal and non-isothermal methods
- Hrobonova K, Lehotay J\*, Cizmarik J// \*Slovak Tech Univ Bratislava, Inst Anal Chem, Radlinskeho 9, Bratislava, Slovakia  
*J Liq Chromatogr Relat Technol* 2008 **31** (8) 1213
- Determination of some phenolic acids in propolis by an HPLC method
- Hung YT, Chen PC, Chen RLC, Cheng TJ\*// \*Natl Taiwan Univ, Coll Bioresources & Agric, Dept Bio-Industrial Mechatronics Engn, Taipei 10764, Taiwan  
*Sensor Actuator B Chem* 2008 **130** (1) 135
- Determining the levels of tannin in tea by amperometry of ferricyanide pre-reaction with a sample in a flow-injection system
- Jeffrey DW, Mercurio MD, Herderich MJ, Hayasaka Y, Smith PA\*// \*Australian Wine Res Inst, POB 197, Glen Osmond, SA 5064, Australia  
*J Agric Food Chem* 2008 **56** (8) 2571
- Rapid isolation of red wine polymeric polyphenols by solid-phase extraction
- Kivilompolo M, Oburka V, Hyotylainen T\*// \*Univ Helsinki, Dept Chem, Anal Chem Lab, POB 55, FI-00014 Helsinki, Finland  
*Anal Bioanal Chem* 2008 **391** (1) 373
- Comprehensive two-dimensional liquid chromatography in the analysis of antioxidant phenolic compounds in wines and juices
- Knodler M, Kaiser A, Carle R, Schieber A// \*Univ Alberta, Dept Agric Food & Nutr Sci, 410 Ag/For Ctr, Edmonton, Alberta, Canada T6G 2P5  
*Anal Bioanal Chem* 2008 **391** (1) 221
- Profiling of alk(en)yresorcinols in cereals by HPLC-DAD-APCI-MS"
- Kusumiyati A, Akinaga T, Tanaka M, Kawasaki S// Kagoshima University, United Graduate School Agric Sci, 1-21-24 Korimoto, Kagoshima 890 0065, Japan  
*J Food Agric Environ* 2008 **6** (2) 327
- On-tree and after-harvesting evaluation of firmness, color and lycopene content of tomato fruit using portable NIR spectroscopy
- Li P, Dong SQ, Wang QJ, Fang YZ// East China Normal Univ, Dept Chem, CN-200062 Shanghai, Peoples Rep China  
*Chin J Chem* 2008 **26** (3) 485
- Analysis of trace ingredients in green tea by capillary electrophoresis with amperometric detection
- Li X, Yuan JP\*, Xu SP, Wang JH, Liu X// \*Sun Yat Sen University, Food Engineering Res Ctr State Educut Ministry, CN-510275 Ghangzhou, Peoples Rep China  
*J Chromatogr A* 2008 **1185** (2) 223
- Separation and determination of secoisolariciresinol diglucoside oligomers and their hydrolysates in the flaxseed extract by high-performance liquid chromatography
- Liu F, He Y\*, Wang L// \*Zhejiang Univ, Coll Biosyst Engn & Food Sci, 268 Kaixuan Rd, CN-310029 Hangzhou, Peoples Rep China  
*Anal Chim Acta* 2008 **610** (2) 196
- Comparison of calibrations for the determination of soluble solids content and pH of rice vinegars using visible and short-wave near infrared spectroscopy
- Lohachoompol V, Mulholland M, Srzednicki G\*, Craske J// \*Univ New South Wales, Sch Chem Sci & Engn, Sydney, NSW 2052, Australia  
*Food Chem* 2008 **111** (1) 249
- Determination of anthocyanins in various cultivars of highbush and rabbiteye blueberries
- Lucas-Abellan C, Fortea MI, Gabaldon JA, Nunez-Delicado E// \*Univ Catolica San Antonio de Murcia, Dept Ciencia & Tecnol Alimentos, Av Jeronimos s/n, ES-30107 Guadalupe, Murcia, Spain  
*Food Chem* 2008 **111** (1) 262
- Complexation of resveratrol by native and modified cyclodextrins: Determination of complexation constant by enzymatic, solubility and fluorimetric assays
- Marighetto N, Venturi L, Hills B// Inst Food Res, Norwich Res Pk, Norwich, England  
*Postharvest Biol Technol* 2008 **48** (3) 331
- Two-dimensional NMR relaxation studies of apple quality
- Maul R, Schebb NH, Kulling SE// \*Univ Potsdam, Lehrstuhl Lebensmittelchem, Arthur Scheunert Allee 114-116, DE-14558 Nuthetal, Germany  
*Anal Bioanal Chem* 2008 **391** (1) 239
- Application of LC and GC hyphenated with mass spectrometry as tool for characterization of unknown derivatives of isoflavonoids
- Minuti L, Pellegrino R// Univ Perugia, Sezione Chim Organ, Dipt Chim, Via Elce di Sotto 8, IT-06123 Perugia, Italy  
*J Chromatogr A* 2008 **1185** (1) 23
- Determination of phenolic compounds in wines by novel matrix solid-phase dispersion extraction and gas chromatography/mass spectrometry
- Osorio D, Perez-Correa JR\*, Agosin E, Cabrera M// \*Pontificia Univ Catolica Chile, Dept Chem & Bioproc Engn, Casilla 306-22, Santiago, Chile  
*J Food Eng* 2008 **87** (4) 571
- Soft-sensor for on-line estimation of ethanol concentrations in wine stills
- Paz P, Sanchez MT\*, Perez-Marin D, Guerrero JE, Garrido-Varo A// \*Univ Cor-doba, Dept Bromatol & Tecnol Alimentos, ES-14071 Cordoba, Spain  
*J Agric Food Chem* 2008 **56** (8) 2565
- Nondestructive determination of total soluble solid content and firmness in plums using near-infrared reflectance spectroscopy
- Perrone D, Donangelo CM, Farah A// \*Univ Fed Rio de Janeiro, Inst Quim, Dept Bioquim, Lab Bioquim Nutr & Alimentos, Ilha do Fundao, CT, Bloco A, BR-21949-900 Rio de Janeiro, RJ, Brazil  
*Food Chem* 2008 **110** (4) 1030
- Fast simultaneous analysis of caffeine, trigonelline, nicotinic acid and sucrose in coffee by liquid chromatography-mass spectrometry
- Seddon TJ, Downey MO\*// \*Primary Ind Res Victoria, Mildura Ctr, POB 905, Mildura, Vic 3502, Australia  
*Aust J Grape Wine Res* 2008 **14** (1) 54
- Comparison of analytical methods for the determination of condensed tannins in grape skin
- Shi BL, Ji BP\*, Zhu DZ, Tu ZH, Qing ZS// \*China Agric Univ, Coll Food Sci & Nutr Engn, Tsinghua East Rd 17, CN-100083 Beijing, Haidian Dist, Peoples Rep China  
*J Food Qual* 2008 **31** (2) 232
- Study on genetic algorithms-based NIR wavelength selection for determination of soluble solids content in fuji apples
- Sohn M, Himmelsbach DS, Barton FE, Griffey CA, Brooks W, Hicks KB// USDA/ARS, Richard B Russell Agric Res Ctr, POB 5677, Athens, Ga 30605, USA  
*Appl Spectrosc* 2008 **62** (4) 427
- Near-infrared analysis of whole kernel barley: Comparison of three spectrometers
- Tarantilis PA, Troianou VE, Pappas CS, Kotseridis YS, Polissiou MG// Agric University Athens, Dept Sci, Lab Chem, 75 Iera Odos St, GR-11855 Athens, Greece  
*Food Chem* 2008 **111** (1) 192
- Differentiation of Greek red wines on the basis of grape variety using attenuated total reflectance Fourier transform infrared spectroscopy
- Vekiaris SA, Gordon MH, Garcia-Macias P, Labrinea H// Nat Agric Res Fdn, Inst Technol Agric Prod, 1 S Venizelou, Lykovrissi, GR-14123 Athens, Greece  
*Food Chem* 2008 **110** (4) 1007
- Extraction and determination of ellagic acid content in chestnut bark and fruit
- Vinas P, Campillo N, Hernandez-Perez M, Hernandez-Cordoba M\*// \*Univ Murcia, Fac Chem, Dept Anal Chem, ES-30071 Murcia, Spain  
*Anal Chim Acta* 2008 **611** (1) 119
- A comparison of solid-phase microextraction and stir bar sorptive extraction coupled to liquid chromatography for the rapid analysis of resveratrol isomers in wines, musts and fruit juices