



Bibliography on analytical food chemistry

1 BOOKS, REVIEWS & SYMPOSIA

Simopoulos AP, Butrum RR (Eds)

International Food Data Bases and Information Exchange
Concepts, Principles and Designs

World Review of Nutrition and Dietetics, Vol 68

Karger (Basel), 1992, 160pp, SFR186.00/WGM223.00/\$149.00 Hard-
bound, ISBN: 3-8055-548-X

Balujasantos C, Gonzalez-Portal A//Univ Santiago Compostela, Fac
Chem, Dept Analyt Chem Nutr & Bromatol, E-15706 Santiago, Spain
TALANTA 1992, 39 (4) 329

Application of hydride generation to atomic-absorption spectrometric
analysis of wines and beverages - A review

2 GENERAL

Martin GJ//Univ Nantes, CNRS, URA 472, Rmn & React Chim Lab,
2 rue Houssiniere, F-44072 Nantes, France

BIOFUTUR 1992, 110 (MAR) 33

NMR - A tool for establishing the truth (French)

3 AMINO ACIDS, PROTEINS & ENZYMES

Kormendy L, Zsarnoczay G, Mihalyi V//Hungarian Meat Res Inst,
1097 Budapest, Gubacsi ut 6/b, Hungary

FOOD CHEM 1992, 44 (5) 367

A new, modified acid phosphatase assay for determining the extent of
heat treatment in canned hams

Pirini A, Conte LS, Francioso O, Lercker G//Ufficio Bologna Ispettor-
ato Repress, Prodi Agroalimentari, Via S Giacomo 7, I-40126 Bolog-
na, Italy

HRC-J HIGH RES CHROMATOGR 1992, 15 (3) 165

Capillary gas chromatographic determination of free amino acids in
honey as a means of discrimination between different botanical sour-
ces

Vigo MS, Malec LS, Gomez RG, Llosa RA//Universidad Buenos
Aires, Dept Quim Organ (Area Bromatol), Fac Cienc Exactas &
Natural, Pabellon 2, Ciudad Universitaria, 1428 Buenos Aires, Argen-
tina

FOOD CHEM 1992, 44 (5) 363

Spectrophotometric assay using o-phthalaldehyde for determination
of reactive lysine in dairy products

Amarowicz R, Kmitaglazewska H//Polish Acad Sci, Ctr Agrotechnol &
Vet Sci, Dept Food Sci, Post Box 55, PL-10718 Olsztyn 43, Poland

NAHRUNG 1992, 36 (1) 87

HPTLC and electrochromatography of rapeseed peptides

Kneifel W, Abert T, Sendai M, Seiler A//Agr Univ Vienna, Inst Milch-
forsch & Bakteriol, A-1180 Vienna, Austria

MILCHWISSENSCHAFT 1992, 47 (3) 139

Water-holding properties of milk protein products as characterized by
3 different methods

Pasaribu SJ, Tomlinson JD, McMaster GJ//Bread Res Inst, Australia
Inc, POB 7, N Ryde, NSW 2113, Australia

J CEREAL SCI 1992, 15 (2) 121

Fractionation of wheat flour proteins by size exclusion-HPLC on an
agarose-based matrix

Suska M, Stejskal J//Res Inst Tech Crops & Legumes, CS-78701 Sum-
perk Temenice, Czechoslovakia

ROSTL VYROBA 1992, 38 (2) 203

The electrophoretic identification of pea (*Pisum sativum* L) cultivars
by seed protein analysis

Toldra F, Miralles M-C, Flores J//Inst Agroquim & Tecno Aliment
(CSIC), Jaime Roig 11, E-46010 Valencia, Spain

FOOD CHEM 1992, 44 (5) 391

Protein extractability in dry-cured ham

Michalczuk L, Bialek K, Cohen JD**//USDA ARS, Beltsville Agr Res
Ctr, Hort Crops Qual Lab, B050 HH4 Barc W, 10300 Baltimore Ave,
Beltsville, Md 20705, USA

J CHROMATOGR 1992, 596 (2) 294

Rapid determination of free tryptophan in plant samples by gas chro-
matography-selected ion monitoring mass spectrometry

Ibe FI, Grinter R, Massey R, Homer R//Univ E Anglia, Sch Chem Sci,
Norwich NR4 7TJ, England

FOOD ADDIT CONTAM 1992, 8 (6) 787

Detection of ortho-tyrosine in irradiated chicken by reverse-phase
HPLC and fluorescence detection

4 CARBOHYDRATES

Lin ZF, Wu DQ, Luo AN, Zhang WQ//Zhongshan Univ, Dept Biol,
Enzymol Lab, Canton 510275, Peoples R China

PROC BIOCHEM 1992, 27 (2) 83

Chitinases from seeds of *Zea mays* and *Coix lachryma-jobi* L. Purifi-
cation and some properties

McCleary BV//Megazyme Australia Pty Ltd, 6 Altona Pl, N Rocks,
NSW 2151, Australia

CARBOHYD RES 1992, 227 (6) 257

Measurement of the content of limit-dextrinase in cereal flours

Guillen R, Heredia A, Felizon B, Jimenez A, Fdezbolanos J//CSIC,

As a service to subscribers of Food Chemistry, this bibliography contains newly published material in the field of analytical food chemistry. The bibliography is divided into fourteen sections: 1 Books, Reviews & Symposia; 2 General; 3 Amino Acids, Proteins & Enzymes; 4 Carbohydrates; 5 Lipids; 6 Vitamins & Co-factors; 7 Trace Elements & Minerals; 8 Drug, Biocide & Chemical Residues; 9 Toxins; 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 subject. Where there are no papers to appear under a heading, it will be omitted

Inst Grasa & Derivados, Avda Padre Garcia Tejero 4, E-41012 Seville, Spain

GRASAS ACEITES 1992, 42 (5) 334

Preparation and characterization of fibre fractions in olives (var Hojiblanca) (Spanish, English Abstract)

Rani MRS, Shibanuma K, Hizukuri S/**Kagoshima Univ, Fac Agr, Dept Biochem Sci & Technol, Kagoshima 890, Japan

CARBOHYD RES 1992, 227 (6) 183

The fine structure of oyster glycogen

Rillo L, Castaldo D*, Giovane A, Servillo L, Balestrieri C, Quagliuolo L/**Exptl Stn Food Preserving Ind Parma, Dept Fruit Juices & Tomato Prod, Via Nazi 121-123, I-84012 Angri, Italy

J AGR FOOD CHEM 1991, 40 (4) 591

Purification and properties of pectin methylesterase from mandarin orange fruit

Walter WM//N Carolina State Univ, USDA ARS, N Carolina Agr Res Serv, Dept Food Sci, Raleigh, NC 27695, USA

HORTSCIENCE 1992, 27 (4) 333

Use of refractive index to monitor changes in sugar content of stored sweetpotatoes

5 LIPIDS

Stewart G, Gosselin C, Pandian S/**Univ Laval Ste-Foy, Ctr Rech STELA, Pavillon Comtois, Quebec, Canada G1K 7P4

FOOD CHEM 1992, 44 (5) 377

Selected ion monitoring of tert-butylidimethylsilyl cholesterol ethers for determination of total cholesterol content in foods

Ville H, Maes G, Geers R, Goedseels V, Parduyns G, Van Bael J, Janssens S, De Kempeneer P//Katholieke Univ Leuven, Agr Bldg Res Lab, Kard Mercierlaan 92, B-3001 Heverlee, Belgium

MEAT SCI 1992, 32 (2) 123

A technique for muscle biopsy sampling on pigs to assess intramuscular fat

Boyd LC, King MF, Sheldon B//N Carolina State Univ, Dept Food Sci, Raleigh, NC 27695, USA

J AMER OIL CHEM SOC 1992, 69 (4) 325

A rapid method for determining the oxidation of n-3 fatty acids

Nilsson WB, Seaborn GT, Hudson JK//NOAA, Natl Marine Fisheries Serv, Dept Commerce, NW Fisheries Serv, Div Utilizat Res, Seattle, Wa 98112, USA

J AMER OIL CHEM SOC 1992, 69 (4) 305

Partition coefficients for fatty acid esters in supercritical fluid CO₂ with and without ethanol

Prabhakar K, Govindarajan CV, Shanmugam AM//Coll Vet Sci, Dept Meat Sci & Technol, Hyderabad 500030, India

J FOOD SCI TECHNOL-MYSORE 1992, 29 (1) 62

A study of certain qualitative changes in glycerol, glycerol-nitrite and nitrite based intermediate moisture meats

Aparicio R, Graciani E, Ferreiro L//Inst Grasa, Apartado 1078, E-41012 Seville, Spain

ANAL CHIM ACTA 1992, 259 (1) 115

Chemometric study of the Hilditch theory applied to virgin olive oil

Barrera-Arellano D, Esteves W//Campinas State Univ, Oleos & Gorduras Lab, POB 6091, BR-13081 Campinas SP, Brazil

J AMER OIL CHEM SOC 1992, 69 (4) 335

Oxidative stability of potato chips determined by Rancimat

Declemente IM, Valletrisco M//Univ Federico II, Ist Merceol, Via Partenope 36, I-80121 Naples, Italy

IND ALIMENT 1992, 31 (300) 39

Derivative spectrophotometry in the characterization of a frying oil (Italian, English Abstract)

Pasha MK, Ahmad F/**Aligarh Muslim Univ, Fac Life Sci, Dept Biochem, Aligarh 202002, India

J AGR FOOD CHEM 1991, 40 (4) 626

Analysis of triacylglycerols containing cyclopropene fatty acids in *Sterculia foetida* (Linn) seed lipids

6 VITAMINS & CO-FACTORS

Bryant JD, McCord JD, Unlu LK, Erdman JW/**Univ Illinois, Dept Food Sci, 580 Bevier Hall, 905 S Goodwin Ave, Urbana, Il 61801, USA

J AGR FOOD CHEM 1991, 40 (4) 545

Isolation and partial characterization of alpha-carotene-containing and beta-carotene-containing carotenoprotein from carrot (*Daucus carota* L.) root chromoplasts

Epler KS, Sander LC, Ziegler RG, Wise SA, Craft NE/**Natl Inst Stand & Technol, Div Organ Analyt Res, Chem Sci & Technol Lab, Gaithersburg, Md 20899, USA

J CHROMATOGR 1992, 595 (1-2) 89

Evaluation of reversed-phase liquid chromatographic columns for recovery and selectivity of selected carotenoids

Taher MM, Lakshmaiah N/**Indian Council Med Res, Natl Inst Nutr, Jamai Osmania PO, Hyderabad 500 007, India

FOOD CHEM 1992, 44 (5) 343

Folic acid stability in hydrogen peroxide-potassium thiocyanate-treated milk

Aoki Y, Kobayashi K, Kajii T//Yamaguchi Univ, Sch Med, Dept Pediat, Ube, Yamaguchi 755, Japan

BIOCHEM MED METAB BIOL 1992, 47 (2) 189

Enzyme-linked immunoassay of haptocorrin - Analysis of milk and granulocytes

Olkowski AA, Gooneratne SR//Univ Saskatchewan, Dept Anim & Poultry Sci, Saskatoon, Saskatchewan, Canada S7N 0W0

INT J VITAM NUTR RES 1992, 62 (1) 34

Microbiological methods of thiamine measurement in biological material

7 TRACE ELEMENTS & MINERALS

Bloodworth BC, Hock CT, Boon TO//Inst Sci & Forens Med, Outram Rd, Singapore, Singapore

FOOD ADDIT CONTAM 1992, 8 (6) 749

Aluminium content in milk powders by inductively-coupled argon plasma optical emission spectrometry

Van Dijk HJM, Hersevoort A//Campina Melkunie BV, Res Dept, POB 222, 3440 AE Woerden, The Netherlands

NETH MILK DAIRY J 1992, 46 (1) 69

The properties of casein micelles. 5. The determination of heat-induced calcium phosphate precipitations in milk

De Ruig WG, Van der Struijs TDB//State Inst Qual Control Agr Prod, POB 230, 6700 AE Wageningen, The Netherlands

ANALYST 1992, 117 (3) 545

Radioactive contamination of food sampled in the areas of the USSR affected by the Chernobyl disaster

Risica S, Venuti GC, Rogani A, Baronciani D, Petrone M//Ist Super Sanita, Fis Lab, Viale Regina Elena 299, I-00161 Rome, Italy
 ANALYST 1992, 117 (3) 511
 Caesium contamination in human milk and transfer factor from diet

Stryjewska E, Trzaskowska J, Rubel S//Univ Warsaw, Dept Chem, UL Pasteura 1, PL-02093 Warsaw, Poland
 CHEM ANAL 1991, 36 (3) 545
 Determination of traces of copper, lead, cadmium and zinc in flour and bread samples by ASV method (Polish, English Abstract)

Asp TN, Lund W//Univ Oslo, Dept Chem, Box 1033, N-0215 Oslo, Norway
 TALANTA 1992, 39 (5) 563
 Elemental analysis of bovine liver by inductively coupled plasma atomic emission spectrometry by using a simple dissolution procedure

Valdez DH, Gee JM, Fairweather-Tait SJ, Johnson IT*//AFRC, Inst Food Res, Norwich Lab, Nutr & Food Qual Div, Norwich Res Park, Norwich NR4 7UA, England
 FOOD CHEM 1992, 44 (5) 331
 A comparison of methods for the in vitro determination of the effects of tea on iron availability from foods

Sato K, Harada K, Tanaka S//Iwaki Meisei Univ, Coll Sci & Engr, Dept Fundamental Sci, 5-5-1 Iino, Iwaki, Fukushima 970, Japan
 BUNSEKI KAGAKU 1992, 41 (4) 203
 Pretreatment procedure for simultaneous determination of magnesium and calcium in milk by ion chromatography

El-Hallaq YH, Gokmen IG, Aras NK, Gokmen A*//Middle E Tech Univ, Dept Chem, Ankara 06531, Turkey
 ANALYST 1992, 117 (3) 447
 Determination of selenium in human diets by radiochemical neutron activation analysis

Gunther K, Waldner H//Univ Bonn, Lehrstuhl Lebensmittelwissenschaft & Lebensmittelchem, W-5300 Bonn 1, FRG
 ANAL CHIM ACTA 1992, 259 (1) 165
 Speciation of zinc and cadmium in ordinary vegetable foodstuffs (German, English Abstract)

8 DRUG, BIOCIDES & CHEMICAL RESIDUES

Krone CA, Stein JE, Varanasi U//NOAA, Natl Marine Fisheries Serv, Northwest Fisheries Sci Ctr, Div Environm Conservat, Seattle, Wa 98112, USA
 CHEMOSPHERE 1992, 24 (4) 497
 Estimation of levels of metabolites of aromatic hydrocarbons in fish tissues by HPLC/fluorescence analysis

Brayan JG, Haddad PR*, Sharp GJ, Dilli S, Desmarchelier JM//Univ New S Wales, Dept Analyt Chem, POB 1, Kensington, NSW 2033, Australia
 PESTIC SCI 1992, 34 (3) 215
 Extraction of carbaryl from stored rice, maize, peas and sunflower seeds prior to chromatographic analysis

Vuik J, Van Dinter R, Devos RH//TNO, Inst Biotechnol & Chem, POB 360, 3700 AJ Zeist, The Netherlands
 J AGR FOOD CHEM 1991, 40 (4) 604
 Improved sample pretreatment of the carbon disulfide evolution method for the determination of dithiocarbamate residues in lettuce

Thomson CA, Chesney DJ*//Michigan Technol Univ, Dept Chem,

Houghton, Mi 49931, USA
 ANAL CHEM 1992, 64 (8) 848
 Supercritical carbon dioxide extraction of 2,4-dichlorophenol from food crop tissues

Aly MAS, Dauterman WC//ME Reg Radioisotope Ctr, Dept Radioisotope, Cairo 12311, Egypt
 J ENVIRON SCI HEALTH B-PESTIC 1992, 27 (2) 113
 Bioavailability, biological activity and characterization of bound residues of diflufenuron in wheat

Fauhl C, Wittkowski R//Bundesgesundheitsamt, Max von Pettenkofer Inst, Postfach 330013, W-1000 Berlin 33, FRG
 HRC-J HIGH RES CHROMATOGR 1992, 15 (3) 203
 Determination of ethyl carbamate in wine by GC-SIM-MS after continuous extraction with diethyl ether

Tonogai Y, Tsumura Y, Nakamura Y, Fujiwara S, Fujii Y, Ito Y//Natl Inst Hyg Sci, Osaka Branch, 1-1-43 Hoenzaka, Chuo ku, Osaka 540, Japan
 JPN J TOXICOL ENVIRON HEALTH 1991, 37 (6) 480
 Comparison of determination method for 9 kinds of nitrogen-containing herbicides in agricultural products by GC and HPLC (Japanese, English Abstract)

Kindack DG, Macintosh A, LeBelle M, Carignan G, Sved S//Hlth & Welf Canada, Hlth Protect Branch, Bur Drug Res, Tunneys Pasture, Ottawa, Ontario, Canada K1A 0L2
 FOOD ADDIT CONTAM 1992, 8 (6) 737
 Separation, identification and determination of lumichrome in swine feed and kidney

Takeba K, Matsumoto M, Nakazawa H//Tokyo Metropolitan Res Lab Publ Hlth, Dept Food Hyg & Nutr, Tokyo 169, Japan
 J CHROMATOGR 1992, 596 (1) 67
 Determination of nitroxylin in cow milk by reversed-phase high-performance liquid chromatography with dual-electrode coulometric detection

Hong CS, Bush B, Xiao J, Fitzgerald EF//New York State Dept Hlth, Wadsworth Ctr Labs & Res, Albany, NY 12201, USA
 CHEMOSPHERE 1992, 24 (4) 465
 Isolation and determination of mono-ortho and non-ortho substituted PCBs (coplanar PCBs) in human milk by HPLC porous graphitic carbon and GC/ECD

Hyvonen H, Auvinen T, Riekkola ML, Himberg K//Univ Helsinki, Dept Chem, Div Analyt Chem, Vuorikatu 20, SF-00100 Helsinki 10, Finland
 J MICROCOLUMN SEP 1992, 4 (2) 123
 Determination of single PCB congeners in fish by on-line LC-GC

Huestis SY, Sergeant DB//Fisheries & Oceans Canada, Canada Ctr Inland Waters, Burlington, Ontario, Canada L7R 4A6
 CHEMOSPHERE 1992, 24 (5) 537
 Removal of chlorinated diphenyl ether interferences for analyses of PCDDs and PCDFs in fish

Van Rhijn JA, Traag WA, Kulik W, Tuinstra LGMT*//State Inst Qual Control Agr Prod, Bornesteege 45, 6708 PD Wageningen, The Netherlands
 J CHROMATOGR 1992, 595 (1-2) 289
 Automated clean-up procedure for the gas chromatographic-high-resolution mass spectrometric determination of polychlorinated dibenzo-p-dioxins and dibenzofurans in milk

Fletouris DJ, Psomas JE, Mantis AJ//Aristotelian Univ Salonika, Sch Vet Med, Milk & Milk Prod Lab, GR-54006 Salonika, Greece
 J AGR FOOD CHEM 1991, 40 (4) 617
 Determination of some monobasic penicillins in milk by ion-pair liquid chromatography

Medina MB, Barford RA, Palumbo MS, Rowe LD//USDA ARS, Eastern Reg Res Ctr, 600 E Mermaid Lane, Philadelphia, Pa 19118, USA
 J FOOD PROTECT 1992, 55 (4) 284
 Evaluation of commercial immunochemical assays for detection of sulfamethazine in milk

Ackermans MT, Beckers JL*, Everaerts FM, Hoogland H, Tomasson MJH//Eindhoven Univ Technol, Instrumental Anal Lab, POB 513, 5600 MB Eindhoven, The Netherlands
 J CHROMATOGR 1992, 596 (1) 101
 Determination of sulphonamides in pork meat extracts by capillary zone electrophoresis

Walker LV, Walsh JR, Webber JJ//Dept Agr, Reg Vet Lab, POB 406, Hamilton, Vic 3300, Australia
 J CHROMATOGR 1992, 595 (1-2) 179
 High-performance liquid chromatography of sulphonamides extracted from bovine and porcine muscle by solid-phase dispersion

Walsh JR, Walker LV, Webber JJ//Dept Agr, Reg Vet Lab, Ballarat Rd, Hamilton, Vic 3300, Australia
 J CHROMATOGR 1992, 596 (2) 211
 Determination of tetracyclines in bovine and porcine muscle by high-performance liquid chromatography using solid-phase extraction

9 TOXINS

Menegatti E, Redeschi G, Ronchi S, Bortolotti F, Ascenzi P, Thomas RM, Bolognesi M, Palmieri S//Univ Ferrara, Dipartimento Sch Farmaceut, Via Scandiana 21, I-44100 Ferrara, Italy
 FEBS LETT 1992, 30 (1) 10
 Purification, inhibitory properties and amino acid sequence of a new serine proteinase inhibitor from white mustard (*Sinapis alba* L) seed

Jiao YY, Blaas W, Ruhl C*, Weber R//Max von Pettenkofer Inst Bundesgesundheitsamtes, POB 330013, W-1000 Berlin 33, FRG
 J CHROMATOGR 1992, 595 (1-2) 364
 Identification of ochratoxin-A in food samples by chemical derivatization and gas-chromatography mass-spectrometry

Dickey RW, Fryxell GA, Granade HR, Roelke D//US FDA, Div Seafood Res, POB 158, Dauphin Isl, Al 36528, USA
 TOXICON 1992, 30 (3) 355
 Detection of the marine toxins okadaic acid and domoic acid in shellfish and phytoplankton in the Gulf of Mexico

Cohen H, Boutinmuma B//Agr Canada, Food Product & Inspect Branch, Div Lab Serv, Bldg 22, Ottawa, Ontario, Canada K1A 0C6
 J CHROMATOGR 1992, 595 (1-2) 143
 Fluorescence detection of trichothecene mycotoxins as coumarin-3-carbonyl chloride derivatives by high-performance liquid chromatography

Schwadorf K, Muller HM*//Univ Hohenheim, Inst Anim Nutr, Emil Wolff Str 10, W-7000 Stuttgart 70, FRG
 J CHROMATOGR 1992, 595 (1-2) 259
 Determination of alpha-zearalenol and beta-zearalenol and zearalenone in cereals by gas chromatography with ion-trap detection

10 ADDITIVES

Ng CL, Lee HK, Li SFY*//Natl Univ Singapore, Dept Chem, Kent Ridge, Singapore 0511, Singapore
 J CHROMATOGR SCI 1992, 30 (5) 167
 Analysis of food additives by ion-pairing electrokinetic chromatography

Miyamoto F, Saeki M, Kamijo M, Kanda H, Nakaoka T, Nishijima M, Ito Y, Takeshita R//Publ Hlth Lab Chiba Prefecture, 666-2 Nitonocho, Chiba 280, Japan
 JPN J TOXICOL ENVIRON HEALTH 1991, 37 (6) 542
 Systematic separation of artificial and natural dyes in foods and their qualitative determination by thin-layer chromatography (Japanese, English Abstract)

Mo SC, Na JM, Mo H, Chen L//Beijing Inst Light Ind, Dept Chem Engn, Beijing 100037, Peoples R China
 ANAL LETT 1992, 25 (5) 899
 Voltammetric determination of indigo carmine and amaranth on a silver-based mercury film

Swanson MC, Boiano JM, Galson SK, Grauvogel LW, Reed CE//Quan Tec Inc, 126 11th Ave SE, Rochester, Mn 55904, USA
 AMER IND HYG ASSN J 1992, 53 (1) 1
 Immunochemical quantification and particle size distribution of airborne papain in a meat portioning facility

Wilson JJ//Royal Soc Chem, Div Analyt Methods Comm, Burlington House, Piccadilly, London W1V 0BN, England
 ANALYST 1992, 117 (4) 817
 Determination of sulfadimidine in medicated animal feeds

Kawamura Y, Satou T, Kubo N, Akano H, Kurosawa H, Nakamura K, Amano Y, Ito Y, Fujimaki M//Nakano Vinegar Co Ltd, 2-6 Nakamuracho, Handa, Aichi 475, Japan
 J JPN SOC FOOD SCI TECHNOL 1992, 39 (3) 233
 Measurement of sulfur dioxide in foods by biosensor method (Japanese, English Abstract)

11 FLAVOURS & AROMAS

Marin AB, Acree TE*, Hotchkiss JH, Nagy S//Cornell Univ, New York State Agr Exptl Stn, Dept Food Sci, Geneva, NY 14456, USA
 J AGR FOOD CHEM 1991, 40 (4) 650
 Gas chromatography olfactometry of orange juice to assess the effects of plastic polymers on aroma character

Hagedorn ML//Int Flavors & Fragrances Inc, 1515 Highway 36, Union Beach, NJ 07735, USA
 J AGR FOOD CHEM 1991, 40 (4) 634
 Differentiation of natural and synthetic benzaldehydes by ²H nuclear magnetic resonance

Coulibaly K, Jeon IJ*//Kansas State Univ Agr & Appl Sci, Dept Anim Sci & Ind, Manhattan, Ks 66506, USA
 J AGR FOOD CHEM 1991, 40 (4) 612
 Solid-phase extraction of less volatile flavor compounds from ultra-high-temperature processed milk

Dietrich A, Maas B, Karl V, Kreis P, Lehmann D, Weber B, Mosandl A//Univ Frankfurt, Inst Lebensmittelchem, Robert Mayer Str 7-9, W-6000 Frankfurt, FRG
 HRC-J HIGH RES CHROMATOGR 1992, 15 (3) 176
 Stereoisomeric flavor compounds. 55. Stereodifferentiation of some chiral volatiles on heptakis(2,3-di-O-acetyl-6-O-tert-butylidimethylsilyl-

lyl)-beta-beta-cyclodextrin

Adedeji J, Hartman TG, Lech J, Ho CT//^{*}Rutgers State Univ, Cook Coll, New Jersey Agr Expt Stn, Dept Food Sci, New Brunswick, NJ 08903, USA

J AGR FOOD CHEM 1991, 40 (4) 659

Characterization of glycosidically bound aroma compounds in the African mango (*Mangifera indica* L.)

Voirin SG, Baumes RL^{*}, Sapis JC, Bayonove CL//^{*}INRA, Inst Prod Vigne, Aromes & Subst Nat Lab, 2 Pl Viala, F-34060 Montpellier 01, France

J CHROMATOGR 1992, 595 (1-2) 269

Analytical methods for monoterpene glycosides in grape and wine. 2. Qualitative and quantitative determination of monoterpene glycosides in grape

Nagai Y//Shimadzu Co Ltd, Kyoto Analyt Applicat Ctr, 1 Nishinokyo Kuwabara cho, Nakagyo ku, Kyoto 604, Japan

J JPN SOC FOOD SCI TECHNOL 1992, 39 (3) 264

Improved analysis of flavor components in alcoholic beverages by headspace gas chromatography (Japanese, English Abstract)

Chisholm MG, Samuels JM//Penn State Univ, Behrend Coll, Erie, Pa 16563, USA

J AGR FOOD CHEM 1991, 40 (4) 630

Determination of the impact of the metabolites of sorbic acid on the odor of a spoiled red wine

Jung HP, Sen A, Grosch W//Deutsch Forschungsanstalt Lebensmittelchem, Lichtenbergstr 4, W-8046 Garching, FRG

FOOD SCI TECHNOL-LEBENSMESS WISS 1992, 25 (1) 55

Evaluation of potent odorants in parsley leaves [*Petroselinum crispum* (Mill) Nym. ssp. *crispum*] by aroma extract dilution analysis

Misharina TA, Aerove AF, Golovnya RE, Kalugina VI, Rogovskaya LV, Vysotskaya LE, Shevtsov VK//AN Nesmeyanov Heteroorgan Cpds Inst, Moscow, Russia

J ANAL CHEM USSR-ENGL TR 1991, 46 (8) 1187

Identification of volatile components of an aromatizer with a chicken odor by chromatography-mass spectrometry and chromatography-Fourier transform infrared spectroscopy

Hincelin O, Ames JM^{*}, Apriyantono A, Elmore JS//^{*}Univ Reading, Dept Food Sci & Technol, Whiteknights, Reading RG6 2AP, England

FOOD CHEM 1992, 44 (5) 381

The effect of xylose on the generation of volatiles from heated thiamine

McCalley DV, Torres-Grifol JF//Bristol Polytech, Fac Appl Sci, Bristol BS16 1QY, England

ANALYST 1992, 117 (4) 721

Analysis of volatiles from oranges in good and bad condition by gas chromatography and gas chromatography mass spectrometry

12 ORGANIC ACIDS

Marce RM, Calcull M, Olucha JC, Borrull F, Rius FX, Zupan J//Univ Barcelona, Dept Quim, PCA Imperial Tarraco 1, E-43005 Tarragona, Spain

ANAL CHIM ACTA 1992, 259 (2) 237

Optimizing the liquid chromatographic separation of major carboxylic acids in wine by a modelling surface response method

13 ANIMAL PRODUCTS

Pfannhauser W//Ernahrungswirtsch, Gotsch Inst, Blaasstra 29, A-1190 Vienna, Austria

FLEISCHWIRTSCHAFT 1992, 72 (4) 466

Analytical methods

Stiebing A, Rodel W//Fachhochsch Lippe, Liebigstr 87, W-4920 Lemgo, FRG

FLEISCHWIRTSCHAFT 1992, 72 (4) 432

Continuous measurement of surface water activity in dry sausage

14 PLANT & MICROBIAL PRODUCTS

Baier B, Jodicke T, Luck M, Muke O, Harms J, Kruger E//Humboldt Univ, Fachbereich Lebensmitteltechnol, Lehrstuhl Garungstechnol, O-1040 Berlin, FRG

MONATSSCHR BRAUWISSEN 1992, 45 (4) 116

Application of continuous flow analysis technology for quality control in the brewing industry. 2. Determination of anthocyanogen content in wort and beer with the Skalar continuous flow analyser (German, English Abstract)

Martinelli EM, Scilingo A, Pifferi G//Inverni Beffa Spa, Res & Dev Labs, Via Ripamonti 99, I-20141 Milan, Italy

ANAL CHIM ACTA 1992, 259 (1) 109

Computer-aided evaluation of the relative stability of *Vaccinium myrtillus* anthocyanins

Parolari G, Virgili R, Bolzoni L, Careri M, Mangia A//Staz Sperimentale Ind Conserve Alimentari, Viale Tanara 31, I-43100 Parma, Italy

ANAL CHIM ACTA 1992, 259 (2) 257

Analysis of sensory and instrumental data on apricot purees with pattern recognition techniques

Stoffels G, Nissenmeyer J, Gudmundsdottir A, Sletten K, Holo H, Nes IF//^{*}Norwegian Food Res Inst, Microbial Gene Technol Lab, N-1432 As, Norway

APPL ENVIRON MICROBIOL 1992, 58 (5) 1417

Purification and characterization of a new bacteriocin isolated from a *Carnobacterium* sp

Lau OW, Luk SF, Cheng OM, Chiu TPY//Chinese Acad Sci, Dept Chem, Beijing, Peoples R China

ANALYST 1992, 117 (4) 777

Background-correction methods for the determination of caffeine in beverages, coffee and tea by using 2nd-derivative ultraviolet spectrophotometry

Curini R, Descenzo G, Materazzi S, Ciachierini E, Curtis SD, Lucchetti MC//Univ Rome La Sapienza, Dept Chem, I-00185 Rome, Italy

ANN CHIM-ROME 1991, 81 (11-12) 625

Characterization of coffees by thermoanalytical methods

Hedin PA, Phillips VA//USDA ARS, Crop Sci Res Lab, Mississippi State, Ms 39762, USA

J AGR FOOD CHEM 1991, 40 (4) 607

Electron impact mass spectral analysis of flavonoids

Chevolleau S, Debal A, Ucciani E//^{*}Univ Aix Marseille 3, CNRS, URA 1409, Ave Escadrille Normandie Niemen, F-13397 Marseille 13, France

REV FR CORPS GRAS 1992, 39 (1-2) 3

Determination of the antioxidant activity of plant extracts (French, English Abstract)

Buys J, Bicanic D, Bontsema J, Vargas H//Agr Univ Wageningen, Dept Agr Engr & Phys, Laser Photoacoust Lab, Duivendaal 1, 6701 AP Wageningen, The Netherlands

ANAL INSTRUM 1992, 20 (1) 45

Novel characterization techniques for agricultural and environmental applications. 1. Photoacoustic characterization of biological samples - Thermal diffusivity of potatoes periderm

Ramamurthy MS, Maiti B, Thomas P*, Nair PM//*Bhabha Atom Res Ctr, Div Food Technol & Enzyme Engr, Bombay, 40085, India

J AGR FOOD CHEM 1991, 40 (4) 569

High-performance liquid chromatography determination of phenolic acids in potato tubers (*Solanum tuberosum*) during wound healing

Courcoux P, Serot T, Larre C, Popineau Y//Ecole Natl Ingn Tech Ind Agroalimentaires, Domaine Geraudiere, F-44072 Nantes 03, France

J CHROMATOGR 1992, 596 (2) 225

Characterization and identification of wheat cultivars by multi-dimensional analysis of reversed-phase high-performance liquid chromatograms

Wagner K, Bilitewski U, Schmid RD*//*Gesell Biotechnol Forsch GmbH, Div Enzyme Technol & Chem Nat Cpds, Mascheroder Weg 1, W-3300 Braunschweig, FRG

MICROCHEM J 1992, 45 (2) 114

Flow injection analysis of wine - Accomplishments and needs