



# Bibliography of analytical food chemistry

## 1 BOOKS, REVIEWS & SYMPOSIA

Cliff M, Heymann H\*// \*Univ Missouri, Coll Agr Food & Nat Resources, Dept Food Sci & Human Nutr, Columbia, Mo 65211, USA

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Padmanabhan S, Ramakrishna M\*// \*Cent Food Technol Res Inst, Dept Microbiol & Bioengn, Mysore 570013, Karnataka, India

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Reichardt W// Landwirts Untersuch & Forschungs Thuringen, Fachbereich Tierprod Clausberg, D-99817 Clausberg, FRG

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Simoneau C, McCarthy MJ, German JB// Univ Calif Davis, Dept Food Sci & Technol, Davis, Ca 95616, USA

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Echeverrigaray S, Carvalho MTV, Pompeu AS, Derbyshire E\*// \*USP, CENA, Ctr Energia Nucl Agr, Secao Biol Proteinas Vegetais, BR-13418 Piracicaba, SP, Brazil

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Nava FA, Gerder M// UCV, Fac Agron, Dept Genet, Maracaibo, Venezuela

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Saurina J, Hernandez-Cassou S\*// \*Univ Barcelona, Dept Quim Analit, Diagonal 647, E-08028 Barcelona, Spain

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Silvestre MPC, Dauphin C, Hamon M\*// \*Fac Pharm Chatenay Malabry, Chim Analyt Lab, Chatenay Malabry, France

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Franz H, Maier HG// Tech Univ Carolo Wilhelmina Braunschweig, Inst Lebensmittelchem, Schleinitzstr 20, D-38106 Braunschweig, FRG

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Modular neural networks for identification of starches in manufacturing food products

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 & Processing 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 author. Where there are no papers to appear under a heading, it will be omitted.

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Rao RR, Chatt A// \*Dalhousie Univ, Dept Chem, Trace Anal Res Ctr, Halifax, Nova Scotia, Canada B3H 4J3

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Bui LV// Dept Hlth New Sth Wales, Div Analyt Labs, Lidcombe, NSW 2141, Australia

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Daft JL// US FDA, Dept Hlth & Human Serv, Kansas City Dist Off, 1009 Cherry St, Kansas City, Mo 64106, USA

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Medina M, Grases JM, Rodriguez P, Bosch J// Dept Agr Ramaderia & Pesca, Agrari Lab, Generalitat Catalunya, Ctra Vilassar Cabriels s-n, E-08348 Cabriels, Spain

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Van Rhijn JA, Traag WA, Heskamp HH// State Inst Qual Control Agr Prod, Bornsesteeg 45, 6708 PD Wageningen, The Netherlands

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Visalakshi A, Beevi SN, Mathew TB// Kerala Agr Univ, Coll Agr, Vellayani, India

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Vitali M, Leoni V, Chiavarini S, Cremisini C// Univ Roma La Sapienza, Ist Igiene G Sanarelli, Cattedra Igiene Ambiente & Terr, P Aldo Moro, I-00185 Rome, Italy

*J AOAC Int* 1993 **76** (5) 1133

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Wittmann C, Hock B\*// \*Tech Univ Munich, Dept Bot Weihenstephan, D-85350 Freising, FRG

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*J Agr Food Chem* 1993 **41** (10) 1784

Development of a quantitative and sensitive enzyme-linked immunosorbent assay for ochratoxin A using antibodies from the yolk of the laying hen

De Vincenzi M, Dessi MR, Muzzarelli RAA\*// \*Univ Ancona, Fac Med, Inst Biochem, via Ranieri 67, I-60100 Ancona, Italy

*Carbohydr Polym* 1993 **21** (4) 295

Separation of coeliac-active peptides from bread wheat with the aid of methylpyrrolidinone chitosan

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*J Chromatogr* 1993 **648** (2) 485

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Hopmans EC, Murphy PA\*// \*Iowa State Univ Sci & Technol, Dept Food Sci & Human Nutr, 2312 Food Sci Bldg, Ames, Ia 50011, USA

*J Agr Food Chem* 1993 **41** (10) 1655

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Lee RD, Johnson BE, Pedersen JF, Haskins FA, Gorz HJ// Univ Nebraska, Dept Agron, Lincoln, Ne 68583, USA

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Manger RL, Leja LS, Lee SY, Hungerford JM, Wekell MM// US FDA, Seafood Prod Res Ctr, Bothell, Wa 98041, USA

*Anal Biochem* 1993 **214** (1) 190

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Potter MD, Meng JH, Kimsey P// Westreco Nestle, 201 Housaton Ave,

New Milford, Ct 06776, USA

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Scott PM// Hlth & Welf Canada, Div Food Res, Ottawa, Ontario, Canada K1A 0L2

*Trend Anal Chem* 1993 **12** (9) 373

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Tanaka T, Teshima R, Ikebuchi H, Sawada J, Terao T, Ichinoe M// Natl Inst Hyg Sci, Div Biochem & Immunochem, Setagawa ku, Tokyo 158, Japan

*J AOAC Int* 1993 **76** (5) 1006

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Tsuji H, Bando N, Kimoto M, Okada N, Ogawa T// Univ Tokushima, Sch Med, Dept Nutr, Tokushima 770, Japan

*J Nutr Sci Vitaminol* 1993 **39** (4) 389

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Van Boven M, Blaton N, Cokelaere M, Daenens P\*// \*Catholic Univ Leuven, Toxicol Lab, Van Evenstr 4, B-3000 Louvain, Belgium

*J Agr Food Chem* 1993 **41** (10) 1605

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## 10 ADDITIVES

Coleman MR, Wicker AL, Moran JW// Eli Lilly & Co, Greenfield, In 46140, USA

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The need for larger analytical samples with granulated feed additives

Hormazabal V, Steffenak I\*, Yndestad M// \*Norwegian Coll Vet Med, Dept Food Hyg, POB 8146-Dep, N-0033 Oslo 1, Norway

*J Chromatogr* 1993 **648** (1) 183

Simultaneous extraction and determination of sulfadiazine and trimethoprim in medicated fish feed by high-performance liquid chromatography

Hugener M, Tinke AP, Niessen WMA\*, Tjaden UR, Van der Greef J// \*Leiden Amsterdam Ctr Drug Res, Div Analyt Chem, POB 9502, 2300 RA Leiden, The Netherlands

*J Chromatogr* 1993 **647** (2) 375

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Prival MJ, Peiperl MD, Bell SJ// US FDA, Ctr Food Safety & Appl Nutr, Genet Toxicol Branch HFS236, Washington, DC 20204, USA

*Food Chem Toxicol* 1993 **31** (10) 751

Determination of combined benzidine in FD & C yellow no. 5 (tartrazine), using a highly sensitive analytical method

Sapp RE, Davidson S// Conagra Frozen Foods, 1810 St Louis St, Batesville, Ar 72501, USA

*J AOAC Int* 1993 **76** (5) 956

Determination of roxarsone in feeds using solid phase extraction and liquid chromatography with ultraviolet detection

## 11 FLAVOURS & AROMAS

Abbott N, Etievant P\*, Issanchou S, Langlois D// \*INRA, Rech Aromes Lab, 17 rue Sully, F-21034 Dijon, France

*J Agr Food Chem* 1993 **41** (10) 1698

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Belay MT, Poole CF\*// \*Wayne State Univ, Dept Chem, Detroit, Mi 48202, USA

*Chromatographia* 1993 **37** (7-8) 365

Determination of vanillin and related flavor compounds in natural vanilla extracts and vanilla-flavoured foods by thin layer chromatography and automated multiple development

Castellar MR, Montijano H, Manjon A, Iborra JL\*// \*Univ Murcia, Fac Chem, Dept Biochem & Molec Biol B & Immunol, POB 4021, E-30001 Murcia, Spain

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El-Fakir C, Lafosse M, Dreux M// Univ Orleans, Chim Bioorgan & Analyt Lab, CNRS, URA 499, BP 6759, F-45067 Orleans 2, France

*Chromatographia* 1993 **37** (5-6) 313

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Herion P, Full G, Winterhalter P, Schreier P\*, Bicchi C// \*Univ Wurzburg, Lehrstuhl Lebensmittelchem, Am Hubland, D-97074 Wurzburg, FRG

*Phytochem Analysis* 1993 **4** (5) 235

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Maas B, Dietrich A, Mosandl A// Univ Frankfurt, Inst Lebensmittelchem, D-60054 Frankfurt, FRG

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Enantioselective capillary gas chromatography: Olfactometry in essential oil analysis (German, English Abstract)

Pino J, Rosado A, Goire I, Roncal E, Garcia I// Food Ind Res Inst, Carretera Guatao Km 3 1-2 Lisa, Havana 19200, Cuba  
*Nahrung* 1993 37 (5) 501

Analysis of the essential oil from Cuban basil (*Ocimum basilicum* L.)

Rapp A, Volkmann C, Niebergall H// Bundesanstalt Zuchtungsforsch & Kulturpflanzen, Inst Rebenzuchtungs Geilweilerhof, D-76833 Siebeldingen, FRG

*Vitis* 1993 32 (3) 171

Analysis of volatile aroma compounds of grapevine: Characterization of Riesling and derived cultivars (German, English Abstract)

Shimoda M, Shibamoto T, Noble AC// \*Univ Calif Davis, Dept Environm Toxicol, Davis, Ca 95616, USA

*J Agr Food Chem* 1993 41 (10) 1664

Evaluation of headspace volatiles of Cabernet-Sauvignon wines samples by an on-column method

Tanaka T, Shoji Z// Kyoritsu Womens Jr Coll, Dept Sci Living, 2-2-1 Hitotsubashi, Chiyoda ku, Tokyo 101, Japan

*J Jpn Soc Food Sci Technol* 1993 40 (9) 656

Analysis of volatile compounds in the Natto fermenting room by gas-chromatography/mass spectrometry (Japanese, English Abstract)

**12 ORGANIC ACIDS**

Burini G// Univ Perugia, Fac Farm, Ist Chim Bromatol, I-06100 Perugia, Italy

*J AOAC Int* 1993 76 (5) 1017

Indirect fluorometric determination of lactic acid in wine

**13 ANIMAL PRODUCTS**

Branscheid W, Arneht W, Dobrowolski A, Spindler M, Torterotot H// Univ Wroclaw, Fak Lebensmitteltechnol, ul CK Norwida 25-27, PL-50375 Wroclaw, Poland

*Fleischwirtschaft* 1993 73 (9) 1072

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Ede RM, Wilkins AL, Lu YR, Tan ST// Univ Waikato, Dept Chem, Private Bag 3105, Hamilton, New Zealand

*Tetrahedron Lett* 1993 34 (42) 6795

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Feigl E// Landesuntersuchungsamt Gesundheitswesen Nordbayern, Henkerstr 9-11, D-91054 Erlangen, FRG

*Fleischwirtschaft* 1993 73 (9) 1001

Histological determination of heated and unheated soya flour in frankfurter-type sausages

Honikel KO// Bundesanstalt Fleischforsch, Inst Chem & Phys, EC Baummann Str 20, D-95326 Kulmbach, FRG

*Fleischwirtschaft* 1993 73 (9) 1010

Quality products demand suitable methods of measurement (German, English Abstract)

Smith EB, Barbano DM, Lynch JM, Fleming JR// Cornell Univ, NE Dairy Foods Res Ctr, Ithaca, NY 14853, USA

*J AOAC Int* 1993 76 (5) 1033

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Swatland HJ// Univ Guelph, Dept Pharm & Lebensmittelchem, Guelph, Ontario, Canada N1G 2W1

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Tanner JT, Barnett SA, Mountford MK// US FDA, Div Nutr, Washington, DC 20204, USA

*J AOAC Int* 1993 76 (5) 1042

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Canclon PF// Florida Dept Citrus, 700 Expt St Rd, Lake Alfred, FL 33850, USA

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Coles GD, Lammerink JP, Wallace AR// Crop & Food Res Ltd, Private

Bag 4704, Christchurch, New Zealand

*Potato Res* 1993 36 (2) 127

Estimating potato crisp colour variability using image analysis and a quick visual method

Fidalgo ML, Terron MC, Martinez AT, Gonzalez AE\*, Gonzalez-Vila FJ, Galletti GC// \*CSIC, Ctr Invest Biol, Velazquez 144, E-28006 Madrid, Spain

*J Agr Food Chem* 1993 41 (10) 1621

Comparative study of fractions from alkaline extraction of wheat straw through chemical degradation, analytical pyrolysis, and spectroscopic techniques

Fukuchi A, Kikuchi F, Hirochika H// \*Nat'l Inst Agrobiol Resources, Dept Molec Biol, Tsukuba, Ibaraki 305, Japan

*Jpn J Genet* 1993 68 (3) 195

DNA fingerprinting of cultivated rice with rice retrotransposon probes

Glocker MO, Su H, Deinzer ML// \*Oregon State Univ, Dept Agr Chem, Corvallis, Or 97331, USA

*J Agr Food Chem* 1993 41 (10) 1558

Structure elucidation of hop plant (*Humulus lupulus*) phytoalexin elicitors by fast atom bombardment mass spectrometry

Hoult AHC, Lovett JV// \*Univ New England, Dept Agron & Soil Sci, Armidale, NSW 2351, Australia

*J Chem Ecol* 1993 19 (10) 2245

Biologically active secondary metabolites of barley. 3. A method for identification and quantification of hordenine and gramine in barley by high-performance liquid chromatography

Izquierdo-Pulido ML, Vidal-Carou MC, Marinefont A// Univ Barcelona, Fac Pharm, Nutr & Food Sci Unit, Avda Diagonal s-n, E-08028 Barcelona, Spain

*J AOAC Int* 1993 76 (5) 1027

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Lancas FM, Galhiane MS// Univ Sao Paulo, Inst Phys & Chem, BR-13560-970 Sao Carlos, SP, Brazil

*Bol Soc Chil Quim* 1993 38 (3) 177

Fast routine analysis of light components of alcoholic beverage using large-bore open tubular fused silica column

Lopez-Hernandez J, Vazquez-Oderiz L, Vazquez-Blanco E, Romero-Rodriguez A, Simal-Lozano J// Univ Santiago de Compostela, Fac Farm, Dept Quim Anal Nutr & Bromatol, E-15706 Santiago de Compostela, Spain

*J Agr Food Chem* 1993 41 (10) 1613

HPLC determination of major pigments in the bean *Phaseolus vulgaris*

Mori M, Hosaka K\*, Umemura Y, Kaneda C// \*Kobe Univ, Exptl Farm, 1348 Uzurano, Kasai, Hyogo 67521, Japan

*Jpn J Genet* 1993 68 (3) 167

Rapid identification of Japanese potato cultivars by RAPDS

Nolte P, Secor GA, Gudmestad NC, Henningson PJ// Univ Idaho, Ctr Res & Extens, Idaho Falls, Id 83402, USA

*Amer Potato J* 1993 70 (9) 649

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Okai Y, Higashi-Okai K, Nakamura S// Osaka Kunei Womens Coll, Div Foods & Nutr, Osaka 566, Japan

*Mutat Res* 1993 303 (2) 63

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Reva VA, Kulibali MT// State Univ Moldova, Prot Chem Lab, Matevich Str 60, Kashinev 277014, Moldova

*Nahrung* 1993 37 (5) 463

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Stalcup AM, Ekborg KH, Gasper MP, Armstrong DW// \*Univ Missouri, Dept Chem, Rolla, Mo 65401, USA

*J Agr Food Chem* 1993 41 (10) 1684

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Vodovotz Y, Arteaga GE, Nakai S// Univ British Columbia, Dept Food Sci, 6650 NW Marine Dr, Vancouver, Brit Columbia, Canada V6T 1Z4

*Food Res Int* 1993 26 (5) 355

Principal component similarity analysis for classification and its application of GC data of mango

Waller GR, West PR, Cheng CS, Ling YC, Chou CH// Acad Sinica, Inst Bot, Taipei 115, Taiwan

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