



Bibliography on analytical food chemistry

1 BOOKS, REVIEWS & SYMPOSIA

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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

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Mills CF//Rowett Res Inst, Bucksburn, Aberdeen AB2 9SB, Scotland

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Ari U, Volkan M, Aras NK/**Middle Tech Univ, Dept Chem, Ankara 06531, Turkey

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Buss DH, Rose HJ//MAFF, Nutr Branch, 17 Smith Sq, London SW1P 3JR, England

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Fairweather-Tait SJ//AFRC Inst Food Res, Norwich Res Pk, Colney Lane, Norwich NR4 7UA, England

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Tarafdar SA, Ali M, Islam A, Khan AH//Atom Energy Ctr, Div Chem, POB 164, Dhaka 1000, Bangladesh

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Wenlock RW//Nutr Unit, Dept Hlth, Wellington House, Waterloo Rd, London SE1 8UG, England

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Vadukul NK//Lab Govt Chem, Queens Rd, Teddington TW11 0LY, Middx, England

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Tas JW, Opperhuizen A//Univ Utrecht, Inst Environm Toxicol, Gen Physiol Res Inst, POB 80176, 3508 TD Utrecht, The Netherlands

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Werner G//Hessische Landwirtschaftl Versuchsanstalt, Rheinstr 91, W-6100 Darmstadt, FRG

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Yamamoto K//Nagoya City Publ Hlth Res Inst, Dept Food, 1-11 Haijiyama cho, Mizuho ku, Nagoya, Japan

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Tonnesen HH, Grisingaas AL, Karlisen J//Univ Oslo, Inst Pharm, Dept Pharmaceut, POB 1068, N-0316 Oslo 3, Norway

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Leoni O, Iori R, Palmieri S//Minist Agr & Forestry, Ist Sperimentale Coltura Ind, via Corticella 133, I-40129 Bologna, Italy

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Engel KH, Tressl R//Tech Univ Berlin, Fachgebiet Chem Tech Anal, Inst Biotechnol, Seestr 13, W-1000 Berlin 65, FRG

J AGR FOOD CHEM 1991, 39 (12) 2249

Identification of new sulfur-containing volatiles in yellow passion fruits (*Passiflora edulis* f. *Flavicarpa*)

Izzo HV, 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, 39 (12) 2245

Isolation and identification of the volatile components of an extruded autolyzed yeast extract

13 ANIMAL PRODUCTS

Mitsumoto M, Maeda S, Mitsuhashi T, Ozawa S//Univ Wisconsin, Dept Meat & Anim Sci, Muscle Biol & Meat Sci Lab, Linden Dr, Madison, WI 53706, USA

J FOOD SCI 1991, 56 (6) 1493

Near-infrared spectroscopy determination of physical and chemical characteristics in beef cuts

Horn D//Staat Vet Tiersuchungsamt Krefeld, Deutscher Ring 100, W-4150 Krefeld, FRG

FLEISCHWIRTSCHAFT 1991, 71 (12) 1402

Adding blood to raw minced meat products - Detection by means of isoelectric focussing

Kwan L, Lichan E, Helbig N, Nakai S//Univ British Columbia, Dept Food Sci, 6650 NW Marine Dr, Vancouver, BC, Canada V6T 1Z4

J FOOD HYG SOC JPN 1991, 32 (6) 1537

Fractionation of water-soluble and water-insoluble components from egg yolk with minimum use of organic solvents

Luong JHT, Male KB//Natl Res Council Canada, Biotechnol Res Inst, Montreal, Quebec, Canada H4P 2R2

ENZYME MICROB TECHNOL 1992, 14 (2) 125

Development of a new biosensor system for the determination of the hypoxanthine ratio an indicator of fish freshness

Davey KR//Univ Adelaide, Dept Chem Engr, GPO Box 498, Adelaide, SA 5001, Australia

INT J FOOD SCI TECHNOL 1991, 26 (6) 673

Theoretical design analysis for a new instrument for the measurement of lean content of cartoned boneless meats

Davey KR, Lovett DA//Univ Adelaide, Dept Chem Engr, GPO Box 498, Adelaide, SA 5001, Australia

INT J FOOD SCI TECHNOL 1991, 26 (6) 683

Evaluation of a pilot on-line instrument for the measurement of lean content of cartoned boneless beef

Seeger H, Volk K//Staat Med Lebensmittel & Vet Tiersuchungsamt Sudhessen, Aussenstelle Frankfurt, Deutschordenstr 48, W-6000 Frankfurt 71, FRG

FLEISCHWIRTSCHAFT 1991, 71 (12) 1405

Food monitoring - Development trends in experimental results for food of animal origin as shown by electric data processing

Ahvenainen R, Wirtanen G, Mattila-Sandholm T//Acad Sci, Inst Zool, Yerevan, Armenia

FOOD SCI TECHNOL-LEBENS WISS 1991, 24 (5) 397

Ultrasound imaging - A non-destructive method for monitoring changes caused by microbial enzymes in aseptically-packed milk and soft ice-cream base material

Hamosh M//Georgetown Univ, Childrens Med Ctr, Dept Pediat, Div Dev Biol & Nutr, Washington, DC 20057, USA

J PEDIAT GASTROENTEROL NUTR 1991, 13 (4) 430

Creatocrit and pH measurements of human milk (Letter)

Goldfarb MF, Savadove MS//Anatek EP, Portland, Me 04103, USA

J PEDIAT GASTROENTEROL NUTR 1991, 13 (4) 430

Creatocrit and pH measurements of human milk (Reply)

Mitchell AD, Wang PC, Rosebrough RW, Elsasser TH, Schmidt WF//USDA ARS, Beltsville Agr Res Ctr, Inst Livestock & Poultry Sci, Nonruminant Nutr Lab, Bldg 200, Beltsville, Md 20705, USA

POULTRY SCI 1991, 70 (12) 2494

Assessment of body composition of poultry by nuclear magnetic resonance imaging and spectroscopy

Nishida S, Yamashita K, Sakaguchi Y, Abe T, Setoguchi T//Publ Hlth Bur Fukuoka City, Dept Hlth, Food Inspect Stn, 3-14-1 Nagahama, Chiyou ku, Fukuoka, Japan

J FOOD HYG SOC JPN 1991, 32 (6) 513

Identification of pufferfish *Lagocephalus wheeleri*, *L. gloveri* and *L. lunaris* by high-performance liquid chromatography of pigments in

skin (Japanese, English Abstract)

14 PLANT & MICROBIAL PRODUCTS

Grierson BN, Allen DG, Gare NF, Watson IM//Chem Ctr Western Australia, 125 Hay St, Perth, Wa 6004, Australia

J AGR FOOD CHEM 1991, 39 (12) 2327

Development of application of an enzyme-linked immunosorbent assay for lupin alkaloids

Gonzalez-San Jose ML, Diez C//Inst Ferment Ind (CSIC), Juan de la Cierva 3, E-28006 Madrid, Spain

FOOD CHEM 1992, 43 (3) 193

Relationship between anthocyanins and sugars during the ripening of grape berries

Weber CW, Gentry HS, Kohlhepp EA, McCrohan PR//Univ Arizona, Dept Nutr & Food Sci, Tucson, Az 85721, USA

ECOL FOOD NUTR 1991, 26 (2) 119

The nutritional and chemical evaluation of chia seeds

Yoshinaga J, Minagawa M, Suzuki T*, Ohtsuka R, Kawabe T, Hongo T, Inaoka T, Akimichi T//*Univ Tokyo, Sch Hlth Sci, Fac Med, Dept Human Ecol, Tokyo 113, Japan

ECOL FOOD NUTR 1991, 26 (1) 17

Carbon and nitrogen isotopic characterization for Papua-New-Guinea foods

Martin-Alvarez PJ, Herranz A//Inst Fermentaciones Ind, CSIC, Juan Cierva 3, E-28006 Madrid, Spain

J SCI FOOD AGR 1991, 57 (2) 263

Application of multivariate statistical methods to the differentiation of gin brands

Porretta S//Stn Sperimentale Ind Conserve Alimentari, viale F Tanara, 31-A, I-43100 Parma, Italy

J SCI FOOD AGR 1991, 57 (2) 293

Analytical profiling of ketchup

Enc-Obong HN, Carnovale E//Univ Nigeria, Dept Home Sci & Nutr, Nsukka, Anambra State, Nigeria

FOOD CHEM 1992, 43 (3) 169

A comparison of the proximate, mineral and amino acid composition of some known and lesser known legumes in Nigeria

Bengtsson M//Sockerbolaget, Malmo, Sweden

INT SUGAR J 1991, 93 (1115) 238

In-line alkalinity measurement in lime milk by a FIA technique

Bartos A, Sarvari B//Pannon Univ Agr Sci, H-8360 Keszthely, Hungary

NOVENYTERMELES 1991, 40 (4) 353

Analysis of some ecological factors and chemical composition of maize by multivariate mathematical method (Hungarian, English Abstract)

Obretenov TD, Kuntcheva MJ, Mantchev SC, Valkova GD//Paisij Hilendarski Univ Plovdiv, Dept Organ Chem, Tsar Assenst, Plovdiv, Bulgaria

J FOOD BIOCHEM 1991, 15 (4) 279

Isolation and characterization of melanoidines from malt and malt roots

Bowen JE//Univ Hawaii, Beaumont Agr Res Ctr, Dept Plant Molec Physiol, 461 W Lanikaula St, Hilo, Hi 96720, USA

TROP AGR 1992, 69 (1) 63

Comparative DRIS and critical concentration interpretation of papaya

tissue analysis data

Cacho J, Castells JE//Univ Zaragoza, Fac Sci, Dept Analyt Chem, E-50009 Zaragoza, Spain

AMER J ENOL VITICULT 1991, 42 (4) 327

Fraction of phenolic compounds from grapes by size exclusion liquid chromatography with HPLC instrumentation

Kantz K, Singleton VL*//Univ Calif Davis, Dept Viticulture & Enol, Davis, Ca 95616, USA

AMER J ENOL VITICULT 1991, 42 (4) 309

Isolation and determination of polymeric polyphenols in wines using Sephadex LH-20

Dilollo A, Alli I*, Kermasha S//McGill Univ, Dept Food Sci & Agr Chem, MacDonald Campus, 21111 Lakeshore Dr, St Anne Bellevue, Quebec, Canada H9X 1C0

J AGR FOOD CHEM 1991, 39 (12) 2128

Identification of phytate in proteins using polyacrylamide disc gel electrophoresis

Taylor SJ, McDowell IJ//Nat Resources Inst, Flavours & Phytochem Sect, Chatham Maritime ME4 4TB, Kent, England

J SCI FOOD AGR 1991, 57 (2) 287

Rapid classification by HPLC of plant pigments in fresh tea (*Camellia sinensis* L) leaf

Abuirjeie MA, Eldin MS, Mahmoud II//Jordan Univ Sci & Technol, Fac Pharm, Dept Med Chem, Irbid, Jordan

J LIQ CHROMATOGR 1992, 15 (1) 11

Determination of theobromine, theophylline, and caffeine in various food products using derivative UV-spectrophotometric techniques and high-performance liquid chromatography

Valcarce RV, Smith GG, Alberico JA, Albrechtsen RS//Univ Utah, EMRL, Ctr Micro Anal & React Chem, Bldg 61, Salt Lake City, Ut 84112, USA

J ANAL APPL PYROL 1991, 22 (1-2) 1

Winter wheat cultivar differentiation by Curie point pyrolysis gas chromatography pattern recognition of whole seeds - A feasibility study

Davenel A, Grenier P, Foch B, Bouvier JC, Verlaque P, Pourcin J//CEMAGREF, Div Genie Equipements Agr & Alimentaires, BP 5095, F-34033 Montpellier 1, France

J FOOD HYG SOC JPN 1991, 32 (6) 1635

Filter, Fourier transform infrared, and areometry, for following alcoholic fermentation in wines