

BIBLIOGRAPHY ON CARBOHYDRATE POLYMERS

1 Books, Reviews and Symposia

Tye RJ//FMC Corp, Manne Colloids, Rockland, USA

CARBOHYD POLYM 1989, 10 (4) 259

Industrial and non-food uses for carrageenan (Review)

J PLANT PHYSIOL 1989, 134 (2) Special Issue Fructan

Charalambous G, Doxastakis G (Eds)

Food Emulsifiers-Chemistry, Technology, Functional Properties and Applications

Developments in Food Science Series, Vol 19

Elsevier Sci Publ BV (Amsterdam), 1989, 549 pp, \$184 25/Fls 350 00, Hardbound, ISBN 0-4444-87306-6

Includes chapter on Plant and microbial food gums (Enriquez LG, Hwang JW, Hong GP, Bati NA, Flick GJ)

Poola I//Dept Biochem & Molec Biol, SUNY Hlth Sci Ctr, Syracuse, NY 13210, USA

CARBOHYD POLYM 1989, 10 (4) 281

Rice lectin Physico-chemical and carbohydrate-binding properties (Review)

2 Cellulose

Heinze T, Klemm D//Friedrich Schiller Univ, Sekt Chem, DDR-6900 Jena, Ger Dem Rep

ACTA POLYM 1989, 40 (2) 132

Spherical gel particles of carboxymethyl cellulose (German, English Abstract)

Leza ML, Cortazar M, Casinos I, Guzman GM//Univ Paris Vasco, Fac Quim, Dept Cien & Tecnol Polimeros, POB 1072, E-20080 San Sebastian, Spain

ANGEW MAKROMOL CHEM 1989, 168 (APR) 195

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Kitaoka M, Taniguchi H, Sasaki T*//Nat'l Food Res Inst, 2-1-2 Kannondai, Tsukuba, Ibaraki 305, Japan

J FERMENT BIOENG 1989, 67 (3) 182

A simple method of cellulase immobilization on a modified silica support

Kumakura M, Tamada M, Kasai N, Kaestu I, Kanno S//Japan Atom Energy Res Inst, Takasaki Radiat Chem Res Estab, Takasaki, Gunma 37012, Japan

BIOTECHNOL BIOENG 1989, 33 (10) 1358

Enhancement of cellulase production by immobilization of *Trichoderma reesei* cells

Kurosawa K, Hosoguchi M, Hariantono J, Sasaki H, Takao S//Hokkaido Univ, Fac Agr, Dept Agr Chem, Sapporo, Hokkaido 060, Japan

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Tamada M, Kasai N, Kaestu I//Japan Atom Energy Res Inst, Takasaki Radiat Chem Res Estab, Takasaki, Gunma 37012, Japan

BIOTECHNOL BIOENG 1989, 33 (10) 1343

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Alves SS, Figueiredo JL//Fac Engrn Porto, Ctr Engrn Quim, Inst Nacl Invest Cient, P-4099 Porto, Portugal

J ANAL APPL PYROL 1989, 15 (MAR) 347

Interpreting isothermal thermogravimetric data of complex reactions application to cellulose pyrolysis at low temperatures

As a service to subscribers, each issue of the Journal contains a bibliography of newly published material in the field of carbohydrate polymers. The bibliography is divided into six sections: 1 Books, Reviews and Symposia, 2 Cellulose, 3 Lignin, 4 Polysaccharides, 5 Starch, 6 Others. Within each section, articles are listed in alphabetical order with respect to the subject. When there are no publications to appear under one of these headings, that section will be omitted.

- Barnes GT, Hunter DS//Univ Queensland, Dept Chem, Brisbane, Qld 4000, Australia
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The evaporation resistance of monolayers of cellulose decanoate (Letter)
- Bromberg LE, El'tsefon BS//All Union Med Polymers Res Inst, Moscow, USSR
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Thermal expansion of hydrogel membranes from regenerated cellulose
- Chichirov AA, Kuznetsov AV, Klochkov VV, Kargin YM, Marchenko GN, Garifzyanov GG//VI Lenin State Univ, Kzan, USSR
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Synthesis and structure of O-nitrocompounds
Synthesis and ^{13}C NMR spectra of cellulose nitrates (Russian)
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The effect of lactose particle size on the extrusion properties of microcrystalline cellulose-lactose mixtures
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Synthetic medium of *Acetobacter xylinum* that can be used for isolation of auxotrophic mutants and study of cellulose biosynthesis
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- Kvernheim AL, Lystad E//Univ Oslo, Dept Chem, POB 1033, N-0315 Oslo 3, Norway
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The effect of pre-drying temperature on the sorption properties of microcrystalline cellulose at temperatures up to 90°C
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- Nazarova ZF, In OA, Kalontarov IY, Elizarova LE, Potapova IM//Donetsk Plast Res Inst, Donetsk, Ukraine, USSR
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Reddy BSR//Univ Bath, Dept Chem, Bath BA2 7AY, Avon, England

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Rubio FC, Tello PG, Alameda EJ, Medina AR//Fac Ciencias, Dept Ingn Quim, E-18071 Granada, Spain

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Pill WG, Frett JJ//Univ Delaware, Coll Agr Sci, Delaware Agr Expt Stn, Newark, De 19717, USA

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J APPL POLYM SCI 1989, 37 (9) 2517

Chiroptical filters from aqueous (hydroxypropyl)cellulose liquid crystals

Suto S//Yamagata Univ, Fac Engn, Dept Polymer Chem, Jonan 4-3-16, Yonezawa, Yamagata 992, Japan

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Reddy DV, Mehra UR, Singh UB//Indian Vet Res Inst, Div Anim Nutr, Izatnagar 243122, Uttar Pradesh, India

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Preparation of glycidyl celluloses from completely allylated methylcellulose and tri-O-allylcellulose

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Feldman D, Baskaran A//Concordia Univ, Ctr Bldg Studies, Montreal, Quebec, Canada H3G 1M8

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Altman E, Brisson J-R, Perry MB*//Natl Res Council Canada, Div Biol Sci, Ottawa, Ontario, Canada K1A 0R6

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Jiao B, Freudenberg M, Galanos C*//Max Planck Inst Immunbiol, Postfach 1169, D-7800 Freiburg, Fed Rep Ger

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The structure of the O-specific polysaccharide chain of the lipopolysaccharide of *Yersinia pseudotuberculosis* serovar-VIII (Russian, English Abstract)

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Oxley D, Wilkinson SG//Univ Hull, Sch Chem, Hull HU6 7RX, N Humberside, England

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van Dam JEG, Breg J, Komen R, Kamerling JP, Vliegthart JFG//Utrecht Univ, Dept Bioorgan Chem, Transitorium 3, POB 80-075, 3508 TB Utrecht, The Netherlands

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Wilson WD, Jarvis MC, Duncan HJ//Univ Glasgow, Anderson Coll, Dept Dermatol, Glasgow

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5 Starch

Adisa VA//Lagos State Univ, Dept Biol & Chem Sci, Ojo, Nigeria

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Cheng CY, Yabe I, Toda K*//Univ Tokyo, Inst Appl Microbiol, Yayoi 1-1-1, Bunkyo ku, Tokyo 113, Japan

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Predominant growth of alpha-amylase regulation mutant in continuous culture of *Bacillus caldolyticus*

Doyle EM, Kelly CT*, Fogarty WM*//Natl Univ Ireland, Univ Coll Dublin, Dept Ind Microbiol, Dublin 4, Ireland

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Safalik I//S Bohemian Biol Ctr, Analyt Chem Lab, Branisovska 31, CS-37005 Ceske Budejovice, Czechoslovakia

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Boze H, Guyot JB, Moulin G, Galzy P//Ecole Natl Super Agron, INRA, Chaire Genet & Microbiol, F-34060 Montpellier, France

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Ashikari T, Kiuchigoto N, Tanaka Y, Shibano Y, Amachi T, Yoshizumi H//Suntory Ltd, Res Ctr, Inst Fundamental Res, 1-1-1 Wakayamadai,

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Facciotti MCR, Kilikian BV, Schmidell W, Fachini ER//Univ Sao Paulo, Escola Politecn, Dept Engn Quim, Caixa Postal 61548, BR-05508 Sao Paulo, SP, Brazil

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Federici F, Miller MW, Petruccioli M//Univ Basilicata, Ist Microbiol & Tecnol Agr & Forestali, Via N Sauro 85, I-85100 Potenza, Italy

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Franco JM, Murado MA, Siso MIG, Miron J, Gonzalez MP//CSIC, Inst Invest Marinas, C Eduardo Cabello 6, E-36208 Vigo, Spain

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Kanlayakrit W, Nakahara K, Teramoto Y, Hayashida S//Kasetsart Univ, Dept Biotechnol, Bangkok 10900, Thailand

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Laroute V, Willemot RM*//Inst Natl Sci Appl Lyon, Dept Genie Biochim & Alimentaire, CNRS, UA 544, Ave Rangueil, F-331077 Toulouse, France

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Hari PK, Garg S//Indian Inst Technol, Dept Text Technol, New Delhi 110016, India

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He G-C, Suzuki H//Kagawa Univ, Fac Agr, Dept Agr Chem, Miki cho, Miki, Kagawa 76107, Japan

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Krog N, Olesen SK, Toernaes H, Joensson T//Grindsted Prod A-A, Brabrand, Denmark

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Lim J-K, Fujo Y//Kyushu Univ 46-09, Fac Agr, Food Technol Lab, Fukuoka 812, Japan

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Ling TGI, Nilsson H, Mattiasson B//Dept Biotechnol, Chem Ctr, Univ Lund, PO Box 124, S-22100 Lund, Sweden

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Mahanta CL, Bhattacharya RK//Cent Food Technol Res Inst, Discipline Grain Sci & Technol, Mysore 570013, Karnataka, India

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Moorthy SN, Nair SG//Cent Tuber Crops Res

Inst, Trivandrum 695017, India

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Okieimen FE, Nkumah JE, Egharevba F//Univ Benin, Dept Chem, Benin City, Nigeria

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Nishinari K, Cho RK, Iwamoto M//Minist Agr Forestry & Fisheries, Natl Food Res Inst, Tsukuba, Ibaraki 305, Japan

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Reddy GC, Susheelamma NS, Tharanathan RN//Cent Food Technol Res Inst, Dept Food Chem, Biochem Sect, Mysore 570013, Karnataka, India

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Schweizer TF, Reimann S, Wursch P//Nestec Ltd, Nestle Res Ctr, Vers Chez Blanc, CH-1000 Lausanne 26, Switzerland

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Steeneken PAM//Netherlands Inst Carbohydr Res, TNO, Rouaanstraat 27, 9723 CC Groningen, The Netherlands

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Takeda Y, Maruta N, Hizukuri S, Juliano BO//Kagoshima Univ, Fac Agr, Dept Agr Chem, Kagoshima 890, Japan

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Weaver MO//USDA ARS, Midwest Area No Reg Res Ctr, 1815 N Univ St, Peoria, IL 61604, USA

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Wrigley CW, Gras PW, Ross A, Rath CR, Hibberd GE, Walker CE//CSIRO, Wheat Res Unit, N Ryde, NSW 2113, Australia

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Yamashita T, Yoneda T//Hiroshima Prefectural Food Technol Res Ctr, 12-70 Hijiyamahonmachi, Minami ku, Hiroshima 732, Japan

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Yoshizumi H, Ashikari T//Suntory Ltd, Inst Fundamental Res, Shimamoto cho, Mishima 618, Japan

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Rochas C, Lahaye M//CERMAV-CNRS, Assoc Univ J Fournier, BP 53, 38042 Grenoble Cedex, France

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Chandra M, Gandhi IS//King Georges Med Coll, Dept Med, Gastroenterol Unit, Lucknow 226003, Uttar Pradesh, India

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Kitamikado M, Tseng C-H, Aoki T, Yamaguchi K, Araki T//Kyushu Univ, Fac Agr, Dept Fisheries, Fukuoka 812, Japan

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Lehmann KM, Gente M, Grutzner A//Med Zentrum Zahn Mund & Kieferheilkunde, Zahnärztliche Propädeut Abt, Georg Voigt Str 3, D-

3550 Marburg, Fed Rep Ger

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Veluraja K, Atkins EDT*//Univ Bristol, HH Wills Phys Lab, Tyndall Ave, Bristol BS8 1TL, Avon, England

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Kindel PK, Liao S-Y, Liske MR, Olien CR//Michigan State Univ, Dept Biochem, E Lansing, Mi 48824, USA

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Loubaki E, Sicsic S*, le Goffic F//Ctr Etudes & Rech Chim Organ Appl, 2A8 Rue Henri Dunant, F-94320 Thiais, France
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Seo T, Hagura S, Kanbara T, Iijima T//Tokyo Inst Technol, Dept Polymer Sci, Ookayama, Meguro ku, Tokyo 152, Japan
J APPL POLYM SCI 1989, 37 (10) 3011
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Takiguchi Y, Uda K, Kobayashi T, Shimahara K//Seikei Univ, Fac Engn, Dept Ind Chem, Musashino, Tokyo 180, Japan
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Blyshak LA, Dodson KY, Patonay G, Warner IM* May WE//Emory Univ, Dept Chem, Atlanta, Ga 30322, USA
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Bootsma HPR, Frijlink HW, Eissens A, Proost JH, Vandoorne H, Lerk CF//Univ Rome la Sapienza, Dipartimento Chim, P Aldo Moro 5, I-00185 Rome, Italy
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Kaifer AE, Quintela PA, Schuette JM//Univ Miami, Dept Chem, Coral Gables, Fl 33124, USA

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Komiyama M//Univ Tsukuba, Inst Mat Sci, Sakura, Ibaraki 305, Japan

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Okubo T, Meda Y, Kitano H//Kyoto Univ, Dept Polymer Chem, Kyoto 606, Japan

J PHYS CHEM 1989, 93 (9) 3721

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cyclodextrins as studied by the conductance stopped-flow method

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Takeo K, Mitoh H, Uemura K//Kyoto Prefec-tural Univ, Dept Agr Chem, Kyoto 606, Japan

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(Japanese, English Abstract)

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J FERMENT BIOENG 1989, 67 (4) 244

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Usoc AI, Vergunova GI//ND Zelinskii Organ Chem Inst, Moscow, USSR

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Oxley D, Wilkinson SG//Univ Hull, Sch Chem, Hull HU6 7RX, N Humberside, England

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Structural studies of an acidic galactoglucomannan from the O3 reference strain (C D C 863-57) of *Serratia marcescens*

Heinrichova K, Dzurova M, Zirolecki A*, Wojciechowicz M**//Slovak Acad Sci, Inst Chem, CS-84238 Bratislava, Czechoslovakia

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Alexander B, Priest FG**//Heriot Watt Univ, Dept Brewing & Biol Sci, Edinburgh EH1 1HX, Midlothian, Scotland

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Bhat KM, Wood TM**//Rowett Res Inst, Bucksburn AB2 9SB, Aberdeen, Scotland

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McAlister D, Doyle RJ*, Taylor KG**//Univ Louisville, Dept Microbiol & Immunol, Louisville, Ky 40292, USA

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Munck L, Jorgensen KG, Ruud-Hansen J, Hansen KT//Carlsberg Res Ctr, Dept Biotechnol, DK-2500 Copenhagen, Denmark

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Wood PJ, Weisz J, Fedec P*, Burrows VD**//Plant Res Ctr, Ottawa, Ontario, Canada K2A 0C6

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de Vries JX//Univ Heidelberg, Med Klin, Klin Pharmakol Abt, Bergheimerstr 58, D-6900 Heidelberg, Fed Rep Ger

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Lorenz R//Tech Univ Munich, Klinikum Rechts Isar, Med Klin & Poliklin 2, Ismaninger Str 22, D-8000 Munich 80, Fed Rep Ger

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Steiner RA, Keller K, Luscher T, Schreiner WE*//*Univ Hosp Zurich, Dept Gynaecol, CH-8091 Zurich, Switzerland

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Tartaglia P, Perolo F, D'Ales A//Osped Infermi, Div Ostetr & Ginecol, Rimini, Italy

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Thomas DP, Merton RE, Gray E, Barrowcliffe TW//Natl Inst Biol Standards & Control, Div Haematol, Blanche Lane, Potters Bar EN6 3QG, Herts, England

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Seattone MF, Chetoni P, Torracca MT, Burgalassi S, Giannaccini B//Univ Pisa, Tecnol Farmaceut Biofarm Lab, Via Bonanno 33, I-56100 Pisa, Italy

INT J PHARM 1989, 51 (3) 203

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Yamasaki K, Sone S*, Yamashita T, Ogura T//*Univ Tokushima, Sch Med, Dept Internal Med 3, Kuramoto cho 3, Tokushima 770, Japan

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Shibata N, Fukasawa S, Kobayashi H, Tojo M,

Yonezu T, Ambo A, Ohkubo Y, Suzuki S**/Tohoku Coll Pharm, Dept Hyg Chem 2, Sendai 981, Japan

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Andersen JR, Holtug K, Uhrenholt A//Univ Copenhagen, Hvidovre Hosp, Dept Med, Gastroenterol Sect, DK-2650 Hvidovre, Denmark

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Benghedalia D, Yosef E//Agr Res Org, Volcani Ctr, Inst Anim Sci, IL-50250 Bet Dagan, Israel

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Brillouet JM, Moutounet M, Escudier JL//INRA, Inst Produits Vigne, Polymeres & Tech Physicochim Lab, 9 Pl Viala, F-34060 Montpellier, France

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Dick AJ, Labavitch JM**//Univ Calif Davis, Dept Pomol, Davis, Ca 95616, USA

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Kim KH, Meyssami B, Wiley RC//Korea Adv Inst Sci & Technol, Food Sci & Technol Lab, POB 131, Seoul 131, South Korea

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