Author Index

Abileah, S.: *See* Christman, J.K., 672
Adeyemi, A., Garner, S.C., and Zeisel, S.H. Phosphatidylcholine assay by phosphate determination after dry ashing, 123
Adjalla, C., Benhayoun, S., Nicolas, J.P., Guéant, J.L., and Lambert, D. Existence of vitamin B12 analogs in biological samples: A reality, 543
Akwari, O.E.: *See* Opara, E.C., 357
Alessandri, J.-M., Joannic, J.-L., and Durand, G.A. Polyunsaturated fatty acids as differentiation markers of rat jejunal epithelial cells: a modeling approach, 97
Andrianaivo-Rafehivola, A.A., Blond, J.P., Cao, J., Gaydou, E.E., and Bézard, J. Influence of cyclopropene fatty acids (Baobab seed oil) feeding on the in vitro Δ9 desaturation of stearic acid in rat liver microsomes, 92
Anuradha, C.V. and Selvam, R. Effect of oral methionine on tissue lipid peroxidation and antioxidants in alloxan-induced diabetic rats, 212
Asemota, H.N.: *See* Bharaj, B.S., 77
Attlesey, M.: *See* Lakshman, M.R., 659
Austic, R.E.: *See* Esteve-Garcia, E., 576

Baba, H.: *See* Zhang, X., 218
Baillie, R.A., Klautky, S.A., and Goodridge, A.G. Transient transfection of chick-embryo hepatocytes, 431
Ballard-Barbash, R.: *See* Bhathena, S.J., 45
Bandyopadhyay, D., Chatterjee, A.K., and Datta, A.G. Effect of cadmium treatment on hepatic flavin metabolism, 510
Bardócz, S., Grant, G., Brown, D.S., Ralph, A., and Pusztai, A. Polyamines in food—implications for growth and health, 66
Barilà, D.: *See* Perozzi, G., 699
Basu, T.K., Ooraikul, B., and Garg, M.L. Effects of dietary pectin on the hepatic activities of hydroxymethyl glutaryl CoA reductase and acyl CoA cholesterol acyltransferase in cholesterol supplemented mice, 472
Bates, G.W.: *See* Reddy, M.B., 27
Becker, D.: *See* Trindade, J.M.T., 639
Begbie, R.: *See* Perozzi, G., 699
Belleville, J.: *See* Bouziane, M., 399
Benedetti, P.C.: *See* Salvati, S., 346
Benedetti, P.C.: *See* Nardini, M., 39
Benhayoun, S.: *See* Adjalla, C., 543
Bercovici, D.: *See* Moundras, C., 222
Berdanier, C.D.: *See* Kim, M.-J.C., 20
Berdanier, C.D. and Kim, M.-J.C. Hyperthyroidism in BHE/cdb rats does not induce an increase in mitochondrial respiration, 10
Berger, A., Fenz, R., German, J.B. Incorporation of dietary 5,11,14-icosatrienoate into various mouse phospholipid classes and tissues, 409
Berlin, E.: *See* Bhathena, S.J., 45
Bernard, A.: *See* Caselli, C., 655
Bernard, E.A.: *See* Trindade, V.M.T., 639
Besnard, P.: *See* Caselli, C., 655
Bettger, W.J. and O'Dell, B.L. Physiological roles of zinc in the plasma membrane of mammalian cells, 194
Bézard, J.: *See* Andrianaivo-Rafehivola, A.A., 92
Bhagavan, H.N.: *See* Lakshman, M.R., 659
Bhagavan, H.N.: *See* Bhathena, S.J., 45
Bharaj, B.S. and Asemota, H.N. Liver and serum butyrylcholinesterase activity in scorbutic guinea pigs, 77
Bhathena, S.J., Berlin, E., Judd, J.T., Law, J.S., Castro, J.S., Bhagavan, H.N., Ballard-Barbash, R., and Nair, P.P. Plasma opioid peptides and ACTH responses to fish oil and vitamin E supplementation in male subjects, 45
Biagi, P.L., Bordoni, A., Hrelia, S., Celadon, M., and Turchetto, E. The effect of dietary polyenylphosphatidylcholine on microsomal delta-6-desaturase activity, fatty acid composition and microviscosity in rat liver under oxidative stress, 690
Blanco, M.C.: *See* Tang, G., 58
Blond, J.P.: *See* Caselli, C., 655
Blond, J.P.: *See* Andrianaivo-Rafehivola, A.A., 92
Blumberg, J.B.: *See* Meydani, M., 322
Bock, I.: *See* Lei, K.Y., 304
Bordoni, A.: *See* Biagi, 690
Bouyekhf, M., Rule, D.C., and Hu, C.Y. Effect of catecholamines on lipolysis and esterification in vitro in adipose tissue of sheep fed low and high energy diets, 80
Bouziane, M., Prost, J., and Belleville, J. Unsaturated fatty acid bioavailability in growing rats fed low or adequate protein diets with sunflower or soybean oils, 399
Brindley, D.N. Hepatic secretion of lysophosphatidylcholine: A novel transport system for polyunsaturated fatty acids and choline, 442
Broughton, K.S.: *See* Hardardóttir, I., 534
Brouwer, A.: *See* Lei, K.Y., 304
Brown, D.S.: *See* Bardócz, S., 66
Bulgrin, J.P., Shabani, M., and Smith, D.J. Arginine-free diet suppresses nitric oxide production in wounds, 588
Burch, W.M.: *See* Opara, E.C., 357
Camargo, M.M.: *See* de Mattos, A.G., 644
Campeggi, L.M.: *See* Salvati, S., 346
Campos, R.: *See* Garrido, A., 118
Cantrill, R.C.: *See* DeMarco, A.C., 515
Canty, D.J.: *See* Zeisel, S.H., 258
Cao, J.: *See* Andrianaivo-Rafehivola, A.A., 92
Card, R.T.: *See* Paterson, P.G., 250
Carlier, H.: *See* Caselli, C., 655
Carmona, A.: *See* Santiago, J.G., 426
Caselli, C., Bernard, A., Blond, J.P., Besnard, P., and Carlier, H. Intestinal conversion of linoleic acid to arachidonic acid in the rat, 655
Caspermeyer, J.J.: *See* Harris, W.S., 706
Castro, J.S.: *See* Bhathena, S.J., 45
Celadon, M.: *See* Biagi, 690
Chandrakala, M.V.: *See* Marcus, S.R., 336
Chang, E.B.: *See* Hoffman, L.R., 130
Chapkin, R.S.: *See* Fan, Y.-Y., 602
Chatterjee, A.K.: *See* Bandyopadhyay, D., 510
Chen, M.-L.: *See* Christman, J.K., 672
Chen, T.C., Persons, K., Uskokovic, M.R., Horst, R.L., Holick, M.F. An evaluation of 1,25-dihydroxyvitamin D_3 analogues on the proliferation and differentiation of cultured human keratinocytes, calcium metabolism and the differentiation of human HL-60 cells, 49
Chen, Z.-Y. and Cunnane, S.C. Fasting-induced remodelling of hepatic triacylglycerols, 421
Choi, Y.J. and Han, I.K. The effects of the β-adrenergic agonist cimaterol (CL 263,780) on mammary differentiation and milk protein gene expression, 274
Christman, J.K., Chen, M.-L., Sheikhnejad, G., Dizik, M., Abileah, S., and Wainfan, E. Methyl deficiency, DNA methylation and cancer: studies on the reversibility of the effects of a lipotrope-deficient diet, 672
Clandinin, M.T.: *See* Mager, D.R., 327
Clark, S.B.: *See* Felker, T.E., 630
Cogan, U.: *See* Hayam, I., 563
Coleman, R.A.: *See* Xia, T., 313
Corring, T.: *See* Lhoste, E.F., 143
Costa, T.H.M.: *See* Dorea, J.G., 86
Cote, P.S.: *See* McIntosh, M.K., 298
Crook, R.: *See* Wood, R., 286
Cunnane, S.C.: *See* Chen, Z.-Y., 421

D'Aquino, M.: *See* Nardini, M., 39
Datta, A.G.: *See* Bandyopadhyay, D., 510
de Mattos, A.G., Camargo, M.M., Freitas, M., and Pessoa-Pureur, R. Malnutrition increases neurofilament

© 1993 Butterworth–Heinemann

subunits concentration in rat cerebellum, 644
DeMarco, A.C., Patterson, P.P., Cantrill, R.C., and Horrobin, D.F. Modification of the fatty acid binding profile of liver fatty acid binding protein (L-FABP), 515
Demigné, C.: *See* Levrat, M.-A., 351
Demigné, C.: *See* Moundras, C., 222
Derksen, A.: *See* Felker, T.E., 630
Devaraj, H.: *See* Raveendran, M., 181
Devereux-Graminski, B. and Sampugna, J. Variability in lipids isolated from human cheek cells, 264
Di Felice, M.: *See* Nardini, M., 39
Di Felice, M.: *See* Salvati, S., 346
Dizik, M.: *See* Christman, 672
Dolnikowski, G.G.: *See* Tang, G., 58
Dorea, J.G., Costa, T.H.M., and Marques, A.O. Effects of contraceptives on mother's serum and milk zinc, 86
Durand, G.A.: *See* Alessandri, J.-M., 97

Eaton, K.K., Howard, J.M., Hunnisett, A., and Harris, M. Abnormal gut fermentation: laboratory studies reveal deficiency of B vitamins, zinc and magnesium, 635
Erdman, Jr., J.W.: *See* Glore, S.R., 281
Esteve-Garcia, E. and Austic, R.E. Intestinal absorption and renal excretion of dietary methionine sources by the growing chicken, 576

Fan, Y.-Y. and Chapkin, R.S. Phospholipid sources of metabolically elongated gammalinolenic acid: Conversion to prostaglandin E_1 in stimulated mouse macrophages, 602
Felker, T.E., Tercyak, A.M., Clark, S.B., Derksen, A., and Small, D.M. The rate of transfer of unesterified cholesterol from rat erythrocytes to emulsions modeling nascent triglyceride-rich lipoproteins and chylomicrons depends on the degree of fluidity of the surface, 630
Fenz, R.: *See* Berger, A., 409
Ferretti, A., Flanagan, V.P., Judd, J.T., Nair, P.P., and Taylor, P.R. Fish oil supplementation reduces excretion of 2,3-dinor-6-oxo-$PGF_{1\alpha}$ and the 11-dehydrothromboxane B_2/2,3-dinor-6-oxo-$PGF_{1\alpha}$ excretion ratio in adult men, 695
Ferroli, C.E. and Trumbo, P.R. Effect of aging on the bioavailability of vitamin B-6 in rats, 113
Fiszlewicz, M.: *See* Lhoste, E.F., 143
Flanagan, V.P.: *See* Ferretti, A., 695
Fox, J.G.: *See* Tang, G., 58
Freitas, M.: *See* de Mattos, A.G., 644
Fujikawa, M., Kamitani, T., Tunru, I.S., Yamazaki, K., and Hamazaki, T. Antimalarial effects of purified and α-tocopherol-fortified n-3 polyunsaturated fatty acids, 153

Gamallo, J.L.T.: *See* Trindade, V.M.T., 639
Gárate, M.: *See* Garrido, A., 118
Garg, M.L.: *See* Basu, T.K., 472
Garleb, K.A.: *See* Lepine, A.J., 362
Garner, S.C.: *See* Adeyemi, A., 123
Garner, S.C.: *See* Xia, T., 313
Garrido, A., Gárate, M., Campos, R., Villa, A., Nieto, S., Valenzuela, A. Increased susceptibility of cellular membranes to the induction of oxidative stress after ingestion of high doses of fish oil: effect of aging and protective action of dl-α tocopherol supplementation, 118
Gaydou, E.E.: *See* Andrianaivo-Rafehivola, A.A., 92
Gentile, V.: *See* Salvati, S., 346
German, J.B.: *See* Lai, L.T.Y., 463
German, J.B.: *See* Berger, A., 409
Gíslason, J., Iyer, S., Hutchens, T.W., Lönnerdal, B. Lactoferrin receptors in piglet small intestine: Lactoferrin binding properties, ontogeny, and regional distribution in the gastrointestinal tract, 528
Glore, S.R., Orth, V.L., Knehans, A.W., and Erdman, Jr., J.W. Efficacy of dietary zinc supplementation on catch-up growth after protein malnutrition, 281
Goldfarb, A.H.: *See* McIntosh, M.K., 298
Goodridge, A.G.: *See* Baillie, R.A., 431
Grant, G.: *See* Bardócz, S., 66
Griffin, K.: *See* McIntosh, M.K., 298
Guéant, J.L.: *See* Adjalla, C., 543
Gueugneau, A.-M.: *See* Lhoste, E.F., 143

Hamazaki, T.: *See* Fujikawa, M., 153
Han, I.K.: *See* Choi, Y.J., 274
Hardardóttir, I., Whelan, J., Surette, M.E., Broughton, K.S., Lu, G.-P., Larsen, E.C., and Kinsella, J.E. The effects of dietary n-3 polyunsaturated fatty acids and cyclic AMP-elevating agents on tumor necrosis factor production by murine-resident and thioglycollate-elicited peritoneal macrophages, 534
Harper, A.E.: *See* Torres, N., 681
Harper, A.E.: *See* Tews, J.K., 172
Harris, M.: *See* Eaton, K.K., 635
Harris, W.S., Windsor, S.L., and Caspermeyer, J.J. Modification of lipid-related atherosclerosis risk factors by ω3 fatty acid ethyl esters in hypertriglyceridemic patients, 706
Hayam, I., Cogan, U., and Mokady, S. Dietary oxidized oil enhances the activity of (Na^+K^+)ATPase and acetylcholinesterase and lowers the fluidity of rat erythrocyte membrane, 563
Hendriks, H.F.J.: *See* Lei, K.Y., 304
Higgs, D.J.: *See* Vanderslice, J.T., 184
Hoffman, L.R. and Chang, E.B. Regional expression and regulation of intestinal sucrase-isomaltase, 130
Holick, M.F.: *See* Chen, T.C., 49
Hollenbach, E.J.: *See* Jandacek, R.J., 243
Horrobin, D.F.: *See* DeMarco, A.C., 515
Horst, R.L.: *See* Chen, T.C., 49
Horton, K.: *See* Welbourne, T.C., 236
Howard, J.M.: *See* Eaton, K.K., 635
Howe, J.C., Rumpler, W.V., and Seale, J.L. Energy expenditure by indirect calorimetry in premenopausal women: variation within one menstrual cycle, 268
Hrelia, S.: *See* Biagi, P.L., 690
Hubbard, V.S.: *See* Opara, E.C., 498
Hubbard, V.S.: *See* Opara, E.C., 357
Hu, C.Y.: *See* Bouyekhf, M., 80
Hunnisett, A.: *See* Eaton, K.K., 635
Hutchens, T.W.: *See* Gíslason, J., 528

Ide, T. and Murata, M. The acyl-acceptor specificity of microsomal diacylglycerol acyltransferase as a possible determinant in regulating hepatic triacylglycerol synthesis in rats fed a polyunsaturated fat diet, 229
Itokawa, Y.: *See* Shimaoka, I., 33
Iyer, S.: *See* Gíslason, J., 528

Jandacek, R.J., Hollenbach, E.J., Kuehlthau, C.M., and Steimle, A.R. Effects of dietary behenate and a caprenin-like fat on lipids in the hamster, 243
Joannic, J.-L.: *See* Alessandri, J.-M., 97
Johnson, L.H.: *See* Lakshman, M.R., 659
Johnson, P.F., Sterneck, E., and Williams, S.C. Activation domains of transcriptional regulatory proteins, 386
Judd, J.T.: *See* Ferretti, A., 695
Judd, J.T.: *See* Bhathena, S.J., 45

Kamitani, T.: *See* Fujikawa, M., 153
Katyal, S.L.: *See* Shinozuka, 610
Kelly, D.: *See* Perozzi, G., 699
Kim, M.-J.C., Pan, J.S., and Berdanier, C.D. Glucose homeostasis in thyroxine-treated BHE/cdb rats fed corn oil or hydrogenated coconut oil, 20
Kim, M.-J.C.: *See* Berdanier, C.D., 10
King, A.B.: *See* Welbourne, T.C., 236
King, T.P.: *See* Perozzi, G., 699
Kinsella, J.E.: *See* Hardardóttir, I., 534
Klautky, S.A.: *See* Baillie, R.A., 431
Knehans, A.W.: *See* Glore, S.R., 281
Knook, D.L.: *See* Lei, K.Y., 304
Kodama, J.: *See* Shimaoka, I., 33

Koo, J., Weaver, C.M., Neylan, M.J., and Miller, G.D. Isotopic tracer techniques for assessing calcium absorption in rats, 72
Koo, S.I.: *See* Wang, S., 594
Koo, S.I., Lee, C.C., and Sabin, L. Effect of copper deficiency on the hepatic synthesis and rate of plasma release of cholesterol, 162
Kresty, L.A.: *See* Lepine, A.J., 362
Kubena, K.: *See* Wood, R., 286
Kubo, Y.: *See* Shinozuka, H., 610
Kuehlthau, C.M.: *See* Jandacek, R.J., 243

Lai, L.T.Y. and German, J.B. Modulation of fatty acid composition in murine brain by dietary unsaturated fats, 463
Lakshman, M.R.: *See* Okoh, C., 569
Lakshman, M.R., Johnson, L.H., Okoh, C., Attlesey, M., Mychkovsky, I., and Bhagavan, H.N. Conversion of *all trans* β-carotene to retinal by an enzyme from the intestinal mucosa of human neonates, 659
Lambert, D.: *See* Adjalla, C., 543
Larsen, E.C.: *See* Hardardóttir, I., 534
Law, J.S.: *See* Bhathena, S.J., 45
Lee, C.C.: *See* Koo, S.I., 162
Lee, M.: *See* Thompson, K.H., 476
Lei, K.Y., Hendriks, H.F.J., Brouwer, A., Bock, I., van Thiel-de-Ruiter, G.C.F., van den Berg, G.J., and Knook, D.L. Copper deficiency increases hepatic parenchymal cell's maximal binding capacity and impairs Kupffer cell's internalization of apolipoprotein E-free high density lipoprotein in rats, 304
Lepine, A.J., Garleb, K.A., Reinhart, G.A., and Kresty, L.A. Plasma and tissue fatty acid profiles of growing pigs fed structured or non-structured triacylglycerides containing medium-chain and marine oil fatty acids, 362
Levrat, M.-A., Rémésy, C., and Demigné, C. Influence of inulin on urea and ammonia nitrogen fluxes in the rat cecum: consequences on nitrogen excretion, 351
Levy-Benshimol, A.: *See* Santiago, J.G., 426
Lhoste, E.F., Fiszlewicz, M., Gueugneau, A.-M., Wicker-Planquart, C., Puigserver, A., and Corring, T. Effects of dietary proteins on some pancreatic mRNAs encoding digestive enzymes in the pig, 143
Lönnerdal, B.: *See* Gíslason, J., 528
Lu, G.-P.: *See* Hardardóttir, I., 534

Mager, D.R., Venkatraman, J.T., and Clandinin, M.T. Prolactin binding in human milk at different stages of gestation and duration of lactation in relation to nutrient composition, 327
Maheswari, G.U.: *See* Raveendran, M., 181
Marcus, S.R., Chandrakala, M.V., and Nadiger, H.A. Interaction between vitamin E and glutathione in rat brain—effect of acute alcohol administration, 336
Marks, H.S. and Mason, A.C. Selenium bioavailability of soy-based diets in rats, 523
Marques, A.O.: *See* Dorea, J.G., 86
Martin, G.: *See* Wood, R., 286
Mason, A.C.: *See* Marks, H.S., 523
Masuhara, M.: *See* Shinozuka, H., 610
McIntosh, M.K., Goldfarb, A.H., Cote, P.S., and Griffin, K. Vitamin E reduces peroxisomal fatty acid oxidation and indicators of oxidative stress in untrained, exercised rats treated with dehydroepiandrosterone (DHEA), 298
Messing, J.M. and Sturman, J.A. Evaluation of taurine status in cats consuming diets containing different amounts of taurine by determination of plasma and whole blood taurine concentrations, 168
Meydani, M., Meydani, S.N., and Blumberg, J.B. Modulation by dietary vitamin E and selenium of clotting whole blood thromboxane A_2 and aortic prostacyclin synthesis in rats, 322
Meydani, S.N.: *See* Meydani, M., 322
Miller, G.D.: *See* Koo, J., 72
Milner, J.A.: *See* Novotny, J.A., 341
Mokady, S.: *See* Hayam, I., 563
Montet, A.M.: *See* Zhao, X.M., 105
Montet, J.C.: *See* Zhao, X.M., 105
Morrison, E.Y.S.A.: *See* Ragoobirsingh, D., 625
Moundras, C., Rémésy, C., Bercovici, D., and Demigné, C. Effect of dietary supplementation with glutamic acid or glutamine on the splanchnic and muscle metabolism of glucogenic amino acids in the rat, 222
Moustaïd, N.: *See* Sul, H.S., 554
Murata, M.: *See* Ide, T., 229
Murgia, C.: *See* Perozzi, G., 699
Mychkovsky, I.: *See* Lakshman, M.R., 659
Mychkovsky, I.: *See* Okoh, C., 569

Nadiger, H.A.: *See* Marcus, S.R., 336
Nair, P.P.: *See* Ferretti, A., 695
Nair, P.P.: *See* Bhathena, S.J., 45
Nardini, M.: *See* Salvati, S., 346
Nardini, M., Scaccini, C., D'Aquino, M., Benedetti, P.C., Di Felice, M., Tomassi, G. Lipid peroxidation in liver microsomes of rats fed soybean, olive and coconut oil, 39
Newberne, P.M. The methyl deficiency model: history characteristics and research directions, 618
Neylan, M.J.: *See* Koo, J., 72
Nicolas, J.P.: *See* Adjalla, C., 543
Nieto, S.: *See* Garrido, A., 118
Nishino, K.: *See* Shimaoka, I., 33
Novotny, J.A. and Milner, J.A. Impact of ascorbic acid on selenium-induced growth inhibition of canine mammary tumor cells *in vitro*, 341

O'Connor, D.L. and Picciano, M.F. Plasma folate binding capacity of the reproducing pig, 482
O'Dell, B.L.: *See* Bettger, W.J., 194
Okoh, C.: *See* Lakshman, M.R., 659
Okoh, C., Mychkovsky, I., and Lakshman, M.R. Isolation and some properties of a carotenoid-protein complex from rat liver, 569
Ooraikul, B.: *See* Basu, T.K., 472
Opara, E.C. and Hubbard, V.S. Essential fatty acids (EFA): Role in pancreatic hormone release and concomitant metabolic effect, 498
Opara, E.C., Hubbard, V.S., Burch, W.M., Akwari, O.E. Addition of L-glutamine to a linoleic acid perifusate prevents the fatty acid-induced desensitization of pancreatic islet response to glucose, 357
Orth, V.L.: *See* Glore, S.R., 281

Pan, J.S.: *See* Kim, M.-J.C., 20
Paterson, P.G. and Card, R.T. The effect of zinc deficiency on erythrocyte deformability in the rat, 250
Patterson, P.P.: *See* DeMarco, A.C., 515
Perozzi, G., Barilà, D., Murgia, C., Kelly, D., Begbie, R., and King, T.P. Expression of differentiated functions in the developing porcine small intestine, 699
Perry, M.L.S.: *See* Trindade, V.M.T., 639
Persons, K.: *See* Chen, T.C., 49
Pessoa-Pureur, R.: *See* de Mattos, A.G., 644
Picciano, M.F.: *See* O'Connor, D.L., 482
Potter, S.M.: *See* Tasker, T.E., 458
Prost, J.: *See* Bouziane, M., 399
Puigserver, A.: *See* Lhoste, E.F., 143
Pusztai, A.: *See* Bardócz, S., 66

Ragoobirsingh, D., Robinson, H.M., and Morrison, E.Y.S.A. Effects of cassava cyanoglucoside, linamarin, on blood sugar levels in the dog, 625
Ralph, A.: *See* Bardócz, S., 66
Raveendran, M., Thanislass, J., Maheswari, G.U., Devaraj, H. Induction of prooxidant state by the food flavor cinnamaldehyde in rat liver, 181
Reddy, M.B. and Bates, G.W. Use of transferrin and EPR to probe the in vitro digestive chemistry of iron, 27
Reeves, P.G.: *See* Rossow, K.L., 373
Reinhart, G.A.: *See* Lepine, A.J., 362

Rémésy, C.: *See* Levrat, M.-A., 351
Rémésy, C.: *See* Moundras, C., 222
Repa, J.J.: *See* Tews, J.K., 172
Robinson, H.M.: *See* Ragoobirsingh, D., 625
Rogers, A.E. Chemical carcinogenesis in methyl-deficient rats, 666
Rossow, K.L. and Reeves, P.G. Enzyme-linked immunosorbent assay for angiotensin-converting enzyme in rat testes, 373
Rule, D.C.: *See* Bouyekhf, M., 80
Rumpler, W.V.: *See* Howe, J.C., 268
Russell, R.M.: *See* Tang, G., 58

Sabin, L.: *See* Koo, S.I., 162
Salvati, S., Campeggi, L.M., Benedetti, P.C., Di Felice, M., Gentile, V., Nardini, M., and Tomassi, G. Effects of dietary oils on fatty acid composition and lipid peroxidation of brain membranes (myelin and synaptosomes) in rats, 346
Sampugna, J.: *See* Devereux-Graminski, B., 264
Santiago, J.G., Levy-Benshimol, A., and Carmona, A. Effect of *Phaseolus vulgaris* lectins on glucose absorption, transport and metabolism in rat everted intestinal sacs, 426
Scaccini, C.: *See* Nardini, M., 39
Scotti, L.: *See* Trindade, V.M.T., 639
Seale, J.L.: *See* Howe, J.C., 268
Selhub, J.: *See* Seyoum, E., 488
Selvam, R.: *See* Anuradha, C.V., 212
Seyoum, E. and Selhub, J. Combined affinity and ion pair column chromatographies for the analysis of food folate, 488
Shabani, M.: *See* Bulgrin, J.P., 588
Sheikhnejad, G.: *See* Christman, 672
Shimaoka, I., Kodama, J., Nishino, K., and Itokawa, Y. Purification of a copper binding peptide from the mushroom *Grifola frondosa* and its effect on copper absorption, 33
Shinozuka, H., Masuhara, M., Kubo, Y., and Katyal, S.L. Growth factor and receptor modulations in rat liver by choline-methionine deficiency, 610
Small, D.M.: *See* Felker, T.E., 630
Smas, C.M.: *See* Sul, H.S., 554
Smith, D.J.: *See* Bulgrin, J.P., 588
Souba, W.W.: Intestinal glutamine metabolism and nutrition, 2
Spencer, E.M.: *See* Thomas, B.R., 158
Steimle, A.R.: *See* Jandacek, R.J., 243
Sterneck, E.: *See* Johnson, P.F., 386
Sturman, J.A.: *See* Messing, J.M., 168
Suetsuna, K.: *See* Yamauchi, F., 450
Sul, H.S., Smas, C.M., and Moustaïd, N. Positive and negative regulators of adipocyte differentiation, 554
Surette, M.E.: *See* Hardardóttir, I., 534

Tang, G., Dolnikowski, G.G., Blanco, M.C., Fox, J.G., and Russell, R.M. Serum carotenoids and retinoids in ferrets fed canthaxanthin, 58
Tappel, A.L.: *See* Wilson, D.S., 208
Tasker, T.E. and Potter, S. Effects of dietary protein source on plasma lipids, HMG CoA reductase activity, and hepatic glutathione levels in gerbils, 458
Taylor, P.R.: *See* Ferretti, 695
Tews, J.K., Repa, J.J., and Harper, A.E. Dietary amino acid analogs alter activities of some amino acid-metabolizing enzymes in rat liver, 172
Thanislass, J.: *See* Raveendran, M., 181
Thomas, B.R. and Spencer, E.M. 1,25-Dihydroxyvitamin D_3 production in the isolated perfused rat kidney in response to changing perfusate phosphorus concentrations and insulin-like growth factor, 158
Thompson, K.H. and Lee, M. Effects of manganese and vitamin E deficiencies on antioxidant enzymes in streptozotocin-diabetic rats, 476
Tomassi, G.: *See* Salvati, S., 346
Tomassi, G.: *See* Nardini, M., 39
Torres, N., Tovar, A.R., and Harper, A.E. Metabolism of valine in rat skeletal muscle mitochondria, 681
Tovar, A.R.: *See* Torres, N., 681
Trindade, V.M.T., Scotti, L., Becker, D., Gamallo, J.L.T., Perry, M.L.S., and Bernard, E.A. Undernutrition changes G_{D3} and G_{M2} synthase activities in developing rat hypothalamus, 639
Trumbo, P.R.: *See* Ferroli, C.E., 113
Tseng, S.: *See* Wood, R., 286
Tunru, I.S.: *See* Fujikawa, M., 153
Turchetto, E.: *See* Biagi, P.L., 690

Uskokovic, M.R.: *See* Chen, T.C., 49

Valenzuela, A.: *See* Garrido, A., 118
van den Berg, G.J.: *See* Lei, K.Y., 304
van Thiel-de-Ruiter, G.C.F.: *See* Lei, K.Y., 304
Vanderslice, J.T. and Higgs, D.J. Quantitative determination of ascorbic, dehydroascorbic, isoascorbic, and dehydroisoascorbic acids by HPLC in foods and other matrices, 184
Venkatraman, J.T.: *See* Mager, D.R., 327
Villa, A.: *See* Garrido, A., 118

Wainfan, E.: *See* Christman, J.K., 672
Wang, S. and Koo, S.I. Evidence for distinct metabolic utilization of stearic acid in comparison with palmitic and oleic acids in rats, 594
Weaver, C.M.: *See* Koo, J., 72
Welbourne, T.C., King, A.B., and Horton, K. Enteral glutamine supports hepatic glutathione efflux during inflammation, 236
Whelan, J.: *See* Hardardóttir, I., 534
Wicker-Planquart, C.: *See* Lhoste, E.F., 143
Williams, S.C.: *See* Johnson, P.F., 386
Willingham, A.K., Bolanos, C., Bohannan, E., and Cenedella, R.J. The effects of high levels of vitamin E on the progression of atherosclerosis in the Watanabe Heritable Hyperlipidemic Rabbit, 651
Wilson, D.S. and Tappel, A.L. Subcellular fate of selenium from ^{75}Se-labeled plasma selenoprotein P in selenium-deficient rats, 208
Windsor, S.L.: *See* Harris, W.S., 706
Wolfe, R.R.: *See* Zhang, X., 218
Wood, R., Kubena, K., Tseng, S., Martin, G., and Crook, R. Effect of palm oil, margarine, butter, and sunflower oil on the serum lipids and lipoproteins of normocholesterolemic middle aged men, 286

Xia, T., Garner, S.C., Zeisel, S.H., and Coleman, R.A. Ontogeny of hepatic *sn*-1,2-diacylglycerol content and protein kinase C activity in the neonatal rat: lack of concordance, 313

Yamauchi, F. and Suetsuna, K. Immunological effects of dietary peptide derived from soybean protein, 450
Yamazaki, K.: *See* Fujikawa, M., 153

Zeisel, S.H.: *See* Adeyemi, A., 123
Zeisel, S.H.: *See* Xia, T., 313
Zeisel, S.H. and Canty, D.J. Choline phospholipids: molecular mechanisms for human diseases: A meeting report, 258
Zhang, X., Baba, H., and Wolfe, R.R. Further evaluation of isotopic equilibration between labeled pyruvate and lactate, 218
Zhao, X.M., Montet, A.M., and Montet, J.C. β Muricholic acid: a new hepatoprotective agent, 105