

Author Index

- Abumrad, N.N.: *See* Molina, P.E., 207
Agullo, G.: *See* Manach, C., 375
Akachi, T.: *See* Sugiyama, K., 40
Andersen, M.K., Bailey, J.W., Wilken, C., Rule, D.C. Lipoprotein lipase and glycerophosphate acyltransferase in ovine tissues are influenced by growth and energy intake regimen, 610
Andersen, M.K.: *See* Rule, D.C., 577
Angioni, E.: *See* Banni, S., 150
Armand, M.: *See* Pasquier, B., 293
Atkinson, T.G.: *See* Nagy, L.E., 356
Attorri, L.: *See* Salvati, S., 113
- Bailey, J.W.: *See* Andersen, M.K., 610
Bailey, J.W.: *See* Rule, D.C., 577
Banni, S., Carta, G., Contini, M.S., Angioni, E., Deiana, M., Dessì, M.A., Melis, M.P., and Corongiu, F.P. Characterization of conjugated diene fatty acids in milk, dairy products, and lamb tissues, 150
Barakat, H.A., Vadlamudi, S., MacLean, P., MacDonald, K., and Pories, W.J. Lipoprotein metabolism in non-insulin-dependent diabetes mellitus, 586
Bardocz, S.: *See* Hajós, G., 481
Bardocz, S.: *See* Pusztai, A., 677
Barry, J.-L.: *See* Pasquier, B., 293
Baskaran, G.: *See* Sumathi, R., 85
Battistini, N.: *See* Virgili, F., 156
Beck, M.A. The role of nutrition in viral disease, 683
Behr, S.R.: *See* Younes, H., 474
Beilin, L.J.: *See* Hodgson, J.M., 664
Beynen, A.C.: *See* Roodenburg, A.J.C., 99
Bhathena, S.J.: *See* Werman, M.J., 118
Blaut, M.: *See* Noack, J., 560
Borel, P.: *See* Pasquier, B., 293
Borges, G.: *See* Carmona, A., 445
Borgudd, L.: *See* Carmona, A., 445
Bougrine, R., Masson, C., Hatier, R., Nexø, E., Nicolas, J.-P., and Gueant, J.-L. Receptor binding of transcobalamin II-cobalamin in human colon adenocarcinoma HT 29 cell line, 397
Bowen, H.T.: *See* Wei, Y., 179
Boxer, R.: *See* Molina, P.E., 207
Brand, M.D.: *See* Lionetti, L., 571
Brash, A.R.: *See* Cockell, K.A., 333
Brown, A.J. Acute effects of smoking cessation on antioxidant status, 29
Buckley, W.T., Vanderpool, R.A., Godfrey, D.V., and Johnson, P.E. Determination, stable isotope enrichment and kinetic of direct-reacting copper in blood plasma, 488
Burdge, G.C., Mander, A., and Postle, A.D. Hepatic and plasma phospholipid molecular species composition in the pregnant guinea pig: Effect of chronic ethanol consumption, 425
Burgess, J.R. and Kuo, C.-F. Increased calcium-independent phospholipase A₂ activity in vitamin E and selenium-deficient rat lung, liver, and spleen cytosol is time-dependent and reversible, 366
Burk, R.F.: *See* Cockell, K.A., 333
Buskin, J.N.: *See* Petrie, L., 670
- Calder, P.C.: *See* Jeffery, N.M., 282
Campeggi, L.M.: *See* Salvati, S., 113
Canali, R.: *See* Virgili, F., 156
Carmona, A., Borgudd, L., Borges, G., and Levy-Benshimol, A. Effect of black bean tannins on in vitro carbohydrate digestion and absorption, 445
Carreira, S.M. and Puigserver, A.J. Correlated regulation of the mRNAs encoding secretory trypsin inhibitors and anionic trypsinogen I in the rat pancreas depending on the dietary protein intake, 230
Carroll, K.K.: *See* Kurowska, E.M., 418
Carta, G.: *See* Banni, S., 150
Castelain, C.: *See* Pasquier, B., 293
Castonguay, T.W.: *See* Moshifar, A., 567
Cha, M.C. and Jones, P.J.H. Tissue fatty acid deposition is influenced by interaction of dietary oil source and energy intake level in rats, 650
Chang, T.-Y. and Hu, M.-L. Concentrations and lipid peroxidation in tissues and toxicity of para-aminobenzoic acid fed to rats in drinking water, 408
Chen, M.-C., Song, Y., and Song, W.O. Fetal growth retardation and death in pantothenic acid-deficient rats is due to impaired placental function, 451
Cheng, W.-L., Holmes-McNary, M.Q., Mar, M.-H., Lien, E.L., and Zeisel, S.H. Bioavailability of choline and choline esters from milk in rat pups, 457
Chesters, J.K.: *See* Petrie, L., 670
Choi, S.-W., Shane, B., and Selhub, J. Effect of methotrexate and 5-fluorouracil on de novo thymidylate synthesis in human colon carcinoma cell line, Caco-2, 513
Cockell, K.A., Brash, A.R., and Burk, R.F. Influence of selenium status on activity of phospholipid hydroperoxide glutathione peroxidase in rat liver and testis in comparison with other selenoproteins, 333
Contini, M.S.: *See* Banni, S., 150
Cook, N.C. and Samman, S. Flavonoids—Chemistry, metabolism, cardioprotective effects, and dietary sources, 66
Cornet, E.: *See* Mordrelle, A., 431
Corongiu, F.P.: *See* Banni, S., 150
Coutts, A.G.P.: *See* Morgan, C.J., 339
Croft, K.D.: *See* Hodgson, J.M., 664
- Dakshinamoorthy, D.P.: *See* Kumaravelu, P., 23
David, R.: *See* Werman, M.J., 437
Deiana, M.: *See* Banni, S., 150
- Demigné, C.: *See* Manach, C., 375
Demigné, C.: *See* Younes, H., 474
Dessi, M.A.: *See* Banni, S., 150
Devaraj, N.S.: *See* Kumaravelu, P., 23
Di Felice, M.: *See* Salvati, S., 113
DiSilvestro, R.A.: *See* Yang, F.L., 196
DuBard, M.B.: *See* Tamura, T., 55
Duguid, T.J.: *See* Hajós, G., 481
- Ebihara, K.: *See* Nagata, Y., 303
Eder, K. and Kirchgessner, M. The effect of dietary fat on activities of lipogenic enzymes in liver and adipose tissue of zinc-adequate and zinc-deficient rats, 190
- Fan, J.: *See* Molina, P.E., 207
Faus, M.-J.: *See* Suárez, A., 252
Fex, G.A., Larsson, K., and Nilsson-Ehle, I. Serum concentrations of all-*trans* and 13-*cis* retinoic acid and retinol are closely correlated, 162
Ficek, S.J.: *See* Rule, D.C., 577
Fields, M., Lure, M.D., and Lewis, C.G. Effect of saturated versus unsaturated fat on the pathogenesis of copper deficiency in rats, 246
Freeberg, L.E.: *See* Tamura, T., 55
Frey, B.: *See* Herzog, B., 135
Fritsche, K.L. and McGuire, S.O. The adverse effects of an in vivo inflammatory challenge on the vitamin E status of rats is accentuated by fish oil feeding, 623
Fujimori, E.: *See* Vianna de Oliveira, I.M., 93
Fukamizu, Y.: *See* Kobayashi, T., 542
Fürst, P.: *See* Herzog, B., 135
- Garcia, M.N., Martínez-Torres, C., Leets, I., Tropper, E., Ramirez, J., and Larysse, M. Heat treatment on heme iron and iron-containing proteins in meat: Iron absorption in humans from diets containing cooked meat fractions, 49
Gardner, D.S.: *See* Langley-Evans, S.C., 173
Garleb, K.A.: *See* Younes, H., 474
Garrido, G., Guzmán, M., and Odrizola, J.M. Effects of physical training on fatty acid metabolism in liver and skeletal muscle of rats fed four different high-carbohydrate diets, 348
Geilen, C.: *See* Wu, S., 642
Gelato, M.C.: *See* Molina, P.E., 207
Gelencsér, E.: *See* Hajós, G., 481
Gibbons, G.F.: *See* Jeffery, N.M., 282
Gil, A.: *See* Suárez, A., 252
Gilabert, E.R., Ruiz, E., Osorio, C., and Ortega, E. Effect of dietary zinc deficiency on reproductive function in male rats: Biochemical and morphometric parameters, 403
Godfrey, D.V.: *See* Buckley, W.T., 488
Goldenberg, R.L.: *See* Tamura, T., 55
Grant, G.: *See* Hajós, G., 481

Author Index

- Grant, G.: *See* Pusztai, A., 677
 Gregory, J.F., III: *See* Scott, K.C., 261
 Gueant, J.-L.: *See* Bougrine, R., 397
 Guidry, K.L.: *See* Morris, G.S., 617
 Guillon, F.: *See* Pasquier, B., 293
 Guzmán, M.: *See* Garrido, G., 348
- Hajós, G., Gelencsér, E., Grant, G., Bardocz, S., Sakhri, M., Duguid, T.J., Newman, A.M., and Pusztai, A. Effect of proteolytic modification and methionine enrichment on the nutritional value of soya albumins for rats, 481
 Hara, H., Suzuki, K., Kobayashi, S., and Kasai, T. Fermentable property of dietary fiber may not determine cecal and colonic mucosal growth in fiber-fed rats, 549
 Hasten, D.L.: *See* Morris, G.S., 617
 Hatier, R.: *See* Bougrine, R., 397
 Hayashi, T.: *See* Tsuchiya, H., 237
 Hegsted, M.: *See* Morris, G.S., 617
 Hendriks, H.: *See* Pusztai, A., 677
 Hernández-Triana, M., Kroll, J., Proll, J., Noack, J., and Petzke, K.J. Benzylisothiocyanate (BITC) decreases quality of egg white proteins in rats, 322
 Herzog, B., Frey, B., Pogan, K., Stehle, P., and Fürst, P. In vitro peptidase activity of rat mucosa cell fractions against glutamine-containing dipeptides, 135
 Hodgson, J.M., Croft, K.D., Puddey, I.B., Mori, T.A., Beilin, L.J. Soybean isoflavonoids and their metabolic products inhibit in vitro lipoprotein oxidation in serum, 664
 Holmes-McNary, M.Q.: *See* Chen, W.-L., 457
 Howard, T.B., III: *See* Vinson, J.A., 659
 Hrboticky, N., Zimmer, B., and Weber, P.C. α -Linolenic acid reduces the lovastatin-induced rise in arachidonic acid and elevates cellular and lipoprotein eicosapentaenoic and docosahexaenoic acid levels in Hep G2 cells, 465
 Hu, M.-L.: *See* Chang, T.-Y., 408
 Huang, M.-Z.: *See* Kobayashi, T., 542
 Hulscher, S.: *See* Pusztai, A., 677
 Huneau, J.-F.: *See* Mordrelle, A., 431
- Imaizumi, K.: *See* Sato, M., 381
 Iossa, S.: *See* Lionetti, L., 571
- Jackson, A.A.: *See* Langley-Evans, S.C., 173
 Jansen, G.R. Effect of $\Delta^{22-5\beta}$ -taurocholenic acid and dietary fat on hepatic cholesterol and fatty acid in hyperglycemic-obese mice, 106
 Jayachandran, M., Jayanthi, B., Sundaravadivel, B., and Panneerselvam, C. Status of lipids, lipid peroxidation, and antioxidant systems with Vitamin C supplementation during aging in rats, 270
 Jayanthi, B.: *See* Jayachandran, M., 270
 Jeffery, N.M., Yaqoob, P., Wiggins, D., Gibbons, G.F., Newsholme, E.A., and Calder, P.C. Characterization of lipoprotein composition in rats fed different dietary lipids and of the effects of lipoproteins upon lymphocyte proliferation, 282
 Jendrasiak, G.L. The hydration of phospholipids and its biological significance, 599
 Jeon, I.J.: *See* Yang, L., 214
 Johnson, P.E.: *See* Buckley, W.T., 488
 Johnston, K.E.: *See* Tamura, T., 55
 Jones, P.J.H.: *See* Cha, M.C., 650
- Kamara, K.: *See* Moshirfar, A., 567
 Kanamori, H.: *See* Sugiyama, K., 40
 Kasai, T.: *See* Hara, H., 549
 Kasai, T.: *See* Ogo, Y., 77
 Kato, N.: *See* Kayashita, J., 555
 Kayashita, J., Shimaoka, I., Nakajoh, M., and Kato, N. Feeding of buckwheat protein extract reduces hepatic triglyceride concentration, adipose tissue weight, and hepatic lipogenesis in rats, 555
 Kelly, D.: *See* Morgan, C.J., 339
 Kimura, Y.: *See* Nagata, Y., 303
 King, T.P.: *See* Morgan, C.J., 339
 Kipp, D.E.: *See* Pate, S.K., 524
 Kirchgessner, M.: *See* Eder, K., 190
 Kiriya, S.: *See* Ogo, Y., 77
 Kleessen, B.: *See* Noack, J., 560
 Klimis-Tavantzis, D.J.: *See* Taylor, P.N., 392
 Kobayashi, S.: *See* Hara, H., 549
 Kobayashi, T., Shimizugawa, T., Fukamizu, Y., Huang, M.-Z., Watanabe, S., and Okuyama, H. Assessment of the possible adverse effects of oils enriched with n-3 fatty acids in rats; peroxisomal proliferation, mitochondrial dysfunctions and apoplexy, 542
 Kok, W.: *See* Pusztai, A., 677
 Koninkx, J.: *See* Pusztai, A., 677
 Koo, S.I.: *See* Yang, L., 214
 Kroll, J.: *See* Hernández-Triana, M., 322
 Kubow, S. The influence of positional distribution of fatty acids in native, interesterified and structure-specific lipids on lipoprotein metabolism and atherogenesis, 530
 Kumaravelu, P., Subramaniam, S., Dakshinamoorthy, D.P., and Devaraj, N.S. The antioxidant effect of eugenol on CC14-induced erythrocyte damage in rats, 23
 Kuo, C.-F.: *See* Burgess, J.R., 366
 Kurowska, E.M. and Carroll, K.K. LDL versus apolipoprotein B responses to variable proportions of selected amino acids in semipurified diets fed to rabbits and in the media of HepG2 cells, 418
- Lairon, D.: *See* Pasquier, B., 293
 Lancey, R.W.: *See* Wooten, L., 632
 Lang, C.H.: *See* Molina, P.E., 207
 Langley-Evans, S.C., Phillips, G.J., Gardner, D.S., and Jackson, A.A. Role of glucocorticoids in programming of maternal diet-induced hypertension in the rat, 173
 Larsson, K.: *See* Fex, G.A., 162
- Layrisse, M.: *See* Garcia, M.N., 49
 Leets, I.: *See* Garcia, M.N., 49
 Levy-Benshimol: *See* Carmona, A., 445
 Lewis, C.G.: *See* Fields, M., 246
 Liang, Y.B.: *See* Rule, D.C., 142
 Liebman, M.: *See* Rule, D.C., 142
 Lien, E.L.: *See* Cheng, W.-L., 457
 Lietzow, M.: *See* Wooten, L., 632
 Lin, C.Y.: *See* Morel, D.W., 495
 Linder, M.C.: *See* Wooten, L., 632
 Lionetti, L., Iossa, S., Brand, M.D., and Liverini, G. The mechanism of stimulation of respiration in isolated hepatocytes from rats fed an energy-dense diet, 571
 Liverini, G.: *See* Lionetti, L., 571
 Lorenz, A.: *See* Noack, J., 560
 Lukert, B.P.: *See* Pate, S.K., 524
 Lure, M.D.: *See* Fields, M., 246
- MacDonald, K.: *See* Barakat, H.A., 586
 MacLean, P.: *See* Barakat, H.A., 586
 Manach, C., Texier, O., Régefat, F., Agullo, G., Demigné, C., and Rémésy, C. Dietary quercetin is recovered in rat plasma as conjugated derivatives of isorhamnetin and quercetin, 375
 Mander, A.: *See* Burdge, G.C., 425
 Mar, M.-H.: *See* Cheng, W.-L., 457
 Marks, S.L., Rogers, Q.R., and Morris, J.G. Quantitative excretion of 3-methylhistidine in urine of cats as a measure of in vivo skeletal muscle protein catabolism, 60
 Martínez-Torres, C.: *See* Garcia, M.N., 49
 Masson, C.: *See* Bougrine, R., 397
 Matsui-Yuasa, I.: *See* Nakatani, T., 386
 McCormick, D.B.: *See* Zemleni, J., 518
 McFadyen, M.C.: *See* Morgan, C.J., 339
 McGuire, S.O.: *See* Fritsche, K.L., 623
 McMartin, K.E.: *See* Morshed, K.M., 276
 Meckling-Gill, K.A.: *See* Nagy, L.E., 356
 Melis, M.P.: *See* Banni, S., 150
 Mock, D.M.: *See* Zemleni, J., 518
 Molina, P.E., Fan, J., Boxer, R., Gelato, M.C., Lang, C.H., and Abumrad, N.N. Modulation of insulin-like growth factor-I: a specific role for vitamin B1 (thiamine), 207
 Mordrelle, A., Huneau, J.-F., Cormet, E., and Tomé, D.: Involvement of system A in proline transport in the intestinal crypt-like cell line IEC-17, 431
 Morel, D.W. and Lin, C.Y. Cellular biochemistry of oxysterols derived from the diet or oxidation in vivo, 495
 Morgan, C.J., Coutts, A.G.P., McFadyen, M.C., King, T.P., and Kelly, D. Characterization of IGF-I receptors in the porcine small intestine during postnatal development, 339
 Mori, T.A.: *See* Hodgson, J.M., 664
 Morris, G.S., Hasten, D.L., Hegsted, M., and Guidry, K.L. Chromium picolinate supplementation improves cardiac metabolism, but not myosin isoenzyme distribution in the diabetic heart, 617

- Morris, J.G.: See Marks, S.L., 60
- Morshed, K.M. and McMartin, K.E. In vitro characterization of renal reabsorption and secretion of folate using primary cultures of human kidney cells, 276
- Moshirfar, A., Kamara, K., and Castonguay, T.W. Intragastrically administered tryptophan blocks gluconeogenesis in 48-hr starved rats, 567
- Murase, M.: See Nagata, Y., 303
- Nagao, K.: See Sato, M., 381
- Nagata, Y., Murase, M., Kimura, Y., and Ebihara, K. Effect of guar gum on glucose metabolism in cecectomized rats, 303
- Naghii, M.R. and Samman, S. The effect of boron supplementation on the distribution of boron in selected tissues and on testosterone synthesis in rats, 507
- Nagy, L.E., Atkinson, T.G., and Meckling-Gill, K.A. Feeding docosahexaenoic acid impairs hormonal control of glucose transport in rat adipocytes, 356
- Nakajoh, M.: See Kayashita, J., 555
- Nakatani, T., Ohtani, K., Yano, Y., Otani, S., and Matsui-Yuasa, I. The requirement of Zn²⁺ for Newman, A.M.: See Hajós, G., 481
- Newsholme, E.A.: See Jeffery, N.M., 282
- Nexø, E.: See Bougrine, R., 397
- Nicolas, J.-P.: See Bougrine, R., 397
- Nilsson, Å.: See Xu, N., 16
- Nilsson-Ehle, I.: See Fex, G.A., 162
- Noack, J., Kleessen, B., Lorenz, A., and Blaut, M. The effect of alimentary polyamine depletion on germ-free and conventional rats, 560
- Noack, J.: See Hernández-Triana, M., 322
- Odriozola, J.M.: See Garrido, G., 348
- Ogawa, H.: See Sato, M., 381
- Ogo, Y., Kasai, T., and Kiriya, S. Vitamin E prevents the elevation of thiobarbituric acid-reactive substances but not hemolytic anemia in rats fed excess methionine, 77
- Ohtani, K.: See Nakatani, T., 386
- Okuyama, H.: See Kobayashi, T., 542
- Omaye, S.T.: See Wei, Y., 179
- Ong, D.E.: See Wardlaw, S.A., 222
- Orfanos, C.E.: See Wu, S., 642
- Ortega, E.: See Gilabert, E.R., 403
- Osorio, C.: See Gilabert, E.R., 403
- Ota, R.B.: See Wei, Y., 179
- Otani, S.: See Nakatani, T., 386
- Panneerselvam, C.: See Jayachandran, M., 270
- Pasquier, B., Armand, M., Guillon, F., Castelain, C., Borel, P., Barry, J.-L., Pieroni, G., and Lairon, D. Viscous soluble dietary fibers alter emulsification and lipolysis of triacylglycerols in duodenal medium in vitro, 293
- Pate, S.K., Lukert, B.P., and Kipp, D.E. Tissue vitamin C levels of guinea pig offspring are influenced by maternal vitamin C intake during pregnancy, 524
- Patterson, H.H.: See Taylor, P.N., 392
- Petrie, L., Buskin, J.N., and Chesters, J.K. Zinc and the initiation of myoblast differentiation, 670
- Petzke, K.J.: See Hernández-Triana, M., 322
- Peumans, W.J.: See Pusztai, A., 677
- Phillips, G.J.: See Langley-Evans, S.C., 173
- Pieroni, G.: See Pasquier, B., 293
- Pintor, A.: See Salvati, S., 113
- Pogan, K.: See Herzog, B., 135
- Pories, W.J.: See Barakat, H.A., 586
- Postle, A.D.: See Burdge, G.C., 425
- Proll, J.: See Hernández-Triana, M., 322
- Puddey, I.B.: See Hodgson, J.M., 664
- Puigserver, A.J.: See Carreira, S.M., 230
- Pusztai, A., Koninkx, J., Hendriks, H., Kok, W., Hulscher, S., Van Damme, E.J.M., Peumans, W.J., Grant, G., and Bardocz, S. Effect of the insecticidal *Galanthus nivalis* agglutinin on metabolism and the activities of brush border enzymes in the rat small intestine, 677
- Pusztai, A.: See Hajós, G., 481
- Ramirez, J.: See Garcia, M.N., 49
- Régérat, F.: See Manach, C., 375
- Rémésy, C.: See Manach, C., 375
- Rémésy, C.: See Younes, H., 474
- Reeves, P.G. Copper status of adult male rats is not affected by feeding an AIN-93G-based diet containing high concentrations of zinc, 166
- Reeves, P.G. and Rossow, K.L. Zinc- and/or cadmium-induced intestinal metallothionein and copper metabolism in adult rats, 128
- Rogers, Q.R.: See Marks, S.L., 60
- Roodenburg, A.J.C., West, C.E., and Beynen, A.C. Vitamin A status affects the efficacy of iron repletion in rats with mild iron deficiency, 99
- Rossow, K.L.: See Reeves, P.G., 128
- Ruiz, E.: See Gilabert, E.R., 403
- Rule, D.C., Andersen, M.K., Bailey, J.W., Swain, L., Ficek, S.J., and Thomas, D.P. Frozen storage of ovine and rat tissues adversely affects lipoprotein lipase activity, 577
- Rule, D.C., Liebman, M., and Liang, Y.B. Impact of different dietary fatty acids on plasma and liver lipids is influenced by dietary cholesterol in rats, 142
- Rule, D.C.: See Andersen, M.K., 610
- Sakhri, M.: See Hajós, G., 481
- Sakono, M.: See Sato, M., 381
- Salvati, S., Attorri, L., Di Felice, M., Campaggi, L.M., Pintor, A., Tiburzi, F., and Tomassi, G. Effect of dietary oils on brain enzymatic activities (2'-3'-cyclic nucleotide 3'-phosphodiesterase and acetylcholinesterase) and muscarinic receptor sites in growing rats, 113
- Samman, S.: See Cook, N.C., 66
- Samman, S.: See Naghii, M.R., 507
- Sato, M., Nagao, K., Sakono, M., Ogawa, H., Yamamoto, K., and Imaizumi, K. Low protein diets posttranscriptionally repress apolipoprotein B expression in rat liver, 381
- Schulze, R.A.: See Wooten, L., 632
- Scott, K.C. and Gregory, J.F., III. The fate of [³H]folic acid in folate-adequate rats, 261
- Selhub, J.: See Choi, S.-W., 513
- Shane, B.: See Choi, S.-W., 513
- Shimaoka, I.: See Kayashita, J., 555
- Shimizugawa, T.: See Kobayashi, T., 542
- Sidransky, H. and Verney, E. Influence of L-alanine on effects induced by L-tryptophan on rat liver, 200
- Smith, C.M. and Song, W.O. Comparative nutrition of pantothenic acid, 312
- Song, W. O.: See Chen, M.-C., 451
- Song, W.O.: See Smith, C.M., 312
- Song, Y.: See Chen, M.-C., 451
- Stehle, P.: See Herzog, B., 135
- Stratton, S.L.: See Zemleni, J., 518
- Suárez, A., Faus, M.-J., and Gil, A. Dietary supplementation with long-chain polyunsaturated fatty acids increases susceptibility of weanling rat tissue lipids to in vitro lipid peroxidation, 252
- Subramaniam, S.: See Kumaravelu, P., 23
- Sugiyama, K., Kanamori, H., Akachi, T., and Yamakawa, A. Amino acid composition of dietary proteins affects plasma cholesterol concentration through alteration of hepatic phospholipid metabolism in rats fed a cholesterol-free diet, 40
- Sumathi, R., Baskaran, G., and Varalakshmi, P. Effect of DL α -lipoic acid on tissue redox state in acute cadmium-challenged tissues, 85
- Sundarvadivel, B.: See Jayachandran, M., 270
- Suzuki, K.: See Hara, H., 549
- Swain, L.: See Rule, D.C., 577
- Tamura, T., Goldenberg, R.L., Johnston, K.E., Freeberg, L.E., DuBard, M.B., and Thomas, E.A. In vitro zinc stimulation of angiotensin-converting enzyme activities in human plasma, 55
- Taylor, P.N., Patterson, H.H., and Klimis-Tavantzis, D.J. Manganese deficiency alters high-density lipoprotein subclass structure in the Sprague-Dawley rat, 392
- Tebbe, B.: See Wu, S., 642
- Texier, O.: See Manach, C., 375
- the increase in ornithine decarboxylase induced by insulin and epidermal growth factor in primary cultured rat hepatocytes, 386
- Thomas, D.P.: See Rule, D.C., 577
- Thomas, E.A.: See Tamura, T., 55
- Tiburzi, F.: See Salvati, S., 113
- Todoriki, H.: See Tsuchiya, H., 237
- Tomasi, A.: See Virgili, F., 156
- Tomassi, G.: See Salvati, S., 113
- Tomé, D.: See Mordrelle, A., 431

Author Index

- Tropper, E.: *See* Garcia, M.N., 49
- Tsuchiya, H., Yamada, K., Todoriki, H., and Hayashi, T. Urinary excretion of tetrahydro- β -carbolines influenced by food and beverage ingestion implies their exogenous supply via dietary sources, 237
- Vadlamudi, S.: *See* Barakat, H.A., 586
- Van Damme, E.J.M.: *See* Pusztai, A., 677
- Vanderpool, R.A.: *See* Buckley, W.T., 488
- Vannini, V.: *See* Virgili, F., 156
- Varalakshmi, P.: *See* Sumathi, R., 85
- Verney, E.: *See* Sidransky, H., 200
- Vianna de Oliveira, I.M. and Fujimori, E. Liver gamma-glutamyltranspeptidase activity and glutathione levels in lactating rats and pups: Effect of dietary protein quantity and feed intake, 93
- Vinson, J.A. and Howard, T.B., III Inhibition of protein glycation and advanced glycation end products by ascorbic acid and other vitamins and nutrients, 659
- Virgili, F., Battistini, N., Canali, R., Vannini, V., and Tomasi, A. High glucose-induced membrane lipid peroxidation on intact erythrocytes and on isolated erythrocyte membrane (ghosts), 156
- Wardlaw, S.A. and Ong, D.E. Characterization of the microsomal and partially purified retinal reductase of rat small intestine, 222
- Watanabe, S.: *See* Kobayashi, T., 542
- Weber, P.C.: *See* Hrboticky, N., 465
- Wei, Y., Ota, R.B., Bowen, H.T., and Omaye, S.T. Determination of human plasma and leukocyte ascorbic acid by microtiter plate assay, 179
- Werman, M.J. and Bhatena, S.J. Effects of changes in dietary energy density and the amount of fructose on indices of copper status and metabolic parameters in male rats, 118
- Werman, M.J. and David, R. Lysyl oxidase activity, collagen cross-links and connective tissue ultrastructure in the heart of copper-deficient male rats, 437
- West, C.E.: *See* Roodenburg, A.J.C., 99
- Wiggins, D.: *See* Jeffery, N.M., 282
- Wilken, C.: *See* Andersen, M.K., 610
- Wiseman, H. Dietary influences on membrane function: Importance in protection against oxidative damage and disease, 2
- Wooten, L., Schulze, R.A., Lancey, R.W., Lietzow, M., and Linder, M.C. Ceruloplasmin is found in milk and amniotic fluid and may have a nutritional role, 632
- Wu, S., Geilen, C., Tebbe, B., and Orfanos, C.E. $1\alpha,25$ -Dihydroxyvitamin D_3 ; its role for homeostasis of keratinocytes, 642
- Xu, N. and Nilsson, Å. Uptake and interconversion of plasma unesterified ^{14}C linoleic acid by gastrointestinal tract and blood forming tissues: An experimental study in the rat, 16
- Yamada, K.: *See* Tsuchiya, H., 237
- Yamakawa, A.: *See* Sugiyama, K., 40
- Yamamoto, K.: *See* Sato, M., 381
- Yang, F.L. and DiSilvestro, R.A. Effects of dietary zinc restriction on bismuth induction of rat kidney metallothionein, 196
- Yang, L., Koo, S.I., and Jeon, I.J. The lymphatic absorption of fatty acids and output of phospholipids are lowered by estrogen replacement in ovariectomized rats, 214
- Yano, Y.: *See* Nakatani, T., 386
- Yaqoob, P.: *See* Jeffery, N.M., 282
- Younes, H., Demigné, C., Behr, S.R., Garleb, K.A., and Rémésy, C. A blend of dietary fibers increases urea disposal in the large intestine and lowers urinary nitrogen excretion in rats fed a low protein diet, 474
- Zeisel, S. H.: *See* Cheng, W.-L., 457
- Zempleni, J., McCormick, D.B., Stratton, S.L., and Mock, D.M. Lipoic acid (thiolic acid) analogs, tryptophan analogs, and urea do not interfere with the assay of biotin and biotin metabolites by high-performance liquid chromatography/avidin-binding assay, 518
- Zimmer, B.: *See* Hrboticky, N., 465