

## Author Index

- Ackermann, C. and Flynn, G.L., Ether–water partitioning and permeability through nude mouse skin in vitro. I. Urea, thiourea, glycerol and glucose, 61
- Ackermann, C., Flynn, G.L. and Smith, W.M., Ether–water partitioning and permeability through nude mouse skin in vitro. II. Hydrocortisone 21-*n*-alkyl ester, alkanols and hydrophilic compounds, 67
- Andrieu, V., see Damgé, C., 121
- Apostolelli, E., see Macheras, P., 73
- Aprahamian, M., see Damgé, C., 121
- Araki, Y., see Fukuda, T., 1
- Archer, W.I., see Kohli, R., 91
- Aungst, B.J., see Hussain, M.A., 127
- Babhair, S.A., see Moustafa, M.A., 187
- Balboni, G., see Damgé, C., 121
- Beijersbergen van Henegouwen, G.M.J., see Busker, R.W., 113
- Betageri, G.V. and Rogers, J.A., Thermodynamics of partitioning of  $\beta$ -blockers in the *n*-octanol buffer and liposome systems, 167
- Bouzon, J., see Farah, N., 81
- Bundgaard, H., see Buur, A., 41
- Busker, R.W., Beijersbergen van Henegouwen, G.M.J., Kwee, B.M.C. and Winkens, J.H.M., Photobinding of flunitrazepam and its major photo-decomposition product *N*-desmethylflunitrazepam, 113
- Buur, A. and Bundgaard, H., Prodrugs of 5-fluorouracil. VIII. Improved rectal and oral delivery of 5-fluorouracil via various prodrugs. Structure–rectal absorption relationships, 41
- Clarke, S.W., see Newman, S.P., 55
- Conklin, J.D., see Mason, W.D., 105
- D'Arcy, P.F., see McElnay, J.C., 201
- Damgé, C., Aprahamian, M., Balboni, G., Hoeltzel, A., Andrieu, V. and Devissaguet, J.P., Polyalkylcyanoacrylate nanocapsules increase the intestinal absorption of a lipophilic drug, 121
- Devissaguet, J.P., see Damgé, C., 121
- Elliott, D.S., see McElnay, J.C., 201
- Farah, N., Bouzon, J., Rollet, M., Taverdet, J.L. and Vergnaud, J.M., 'Dry emulsion' — a sustained release form: modeling of drug transfers in liquids, 81
- Flynn, G.L., see Ackermann, C., 61
- Flynn, G.L., see Ackermann, C., 67
- Fort, J.J. and Mitra, A.K., Physicochemical properties and chromatographic behavior of a homologous series of methotrexate- $\alpha$ , $\gamma$ -dialkyl ester prodrugs, 7
- Fukuda, T., Gomita, Y., Furuno, K. and Araki, Y., Determination of antiepileptic drug concentrations in animal blood by the SLFIA method, 1
- Furr, J.R., see Russel, A.D., 193
- Furuno, K., see Fukuda, T., 1
- Go, J. and Grant, D.J.W., Locating the impurity in doped crystals using isotopic double labelling and a column "flow-through" dissolution cell: adipic acid doped with oleic acid, 17
- Gomita, Y., see Fukuda, T., 1
- Gant, D.J.W., see Go, J., 17
- Gröning, R., Electrophoretically controlled dermal or transdermal application systems with electronic indicators, 37
- Hailey, F.J., see Mason, W.D., 105
- Hashida, M., see Higaki, K., 131
- Hashida, M., see Sasaki, H., 149
- Hersey, J.A., see Lai, F.K.Y., 159
- Higaki, K., Kishimoto, I., Komatsu, H., Hashida, M. and Sezaki, H., Effect of medium-chain glycerides on the intestinal absorption and the hepatobiliary transport of Phenol red, 131
- Hill, R.A. and Snider, B.G., A widely applicable automated sampling apparatus for dissolution testing, 177
- Hoeltzel, A., see Damgé, C., 121
- Howard, J.R., see Waring, M.J., 29
- Hussain, M.A., Aungst, B.J., Kearney, A. and Shefter, E., Buccal and oral bioavailability of naloxone and naltrexone in rats, 127
- Irwin, W.J., see Liak, T.L., 235
- Jackson, I.M., see Rubinstein, M.H., 99
- Jones, S.P. and Parr, G.D., The acetotoluides as models for studying cyclodextrin inclusion complexes, 225
- Kearney, A., see Hussain, M.A., 127
- Kishimoto, I., see Higaki, K., 131
- Kohli, R., Archer, W.I. and Li Wan Po, A., Laser velocimetry for the non-invasive assessment of the percutaneous absorption of nicotines, 91
- Komatsu, H., see Higaki, K., 131
- Koupparis, M., see Macheras, P., 73
- Kouta, H.I., see Moustafa, M.A., 187

- Kulvanich, P. and Stewart, P.J., An evaluation of the air stream Faraday cage in the electrostatic charge measurement of interactive drug systems, 245
- Kwee, B.M.C., see Busker, R.W., 113
- Laakso, T. and Smedsrød, B., Cellular distribution in rat liver of intravenously administered polyacryl starch and chondroitin sulfate microparticles, 255
- Lai, F.K.Y. and Hersey, J.A., Simulated ordered powder mixture, 159
- Li Wan Po, A., see Kohli, R., 91
- Li Wan Po, A., see Liak, T.L., 235
- Liak, T.L., Li Wan Po, A. and Irwin, W.J., The effects of drug therapy on urinary pH — excipient effects and bioactivation of methenamine, 235
- Macheras, P., Koupparis, M. and Apostolelli, E., Dissolution of 4 controlled-release theophylline formulations in milk, 73
- Mason, W.D., Conklin, J.D. and Hailey, F.J., Relative bioavailability of our macrocrystalline nitrofurantoin capsules, 105
- Matsukawa, Y., see Sasaki, H., 149
- McElnay, J.C., Elliott, D.S. and D'Arcy, P.F., Binding of human insulin to burette administration sets, 201
- Mitra, A.K., see Fort, J.J., 7
- Moustafa, M.A., Babhair, S.A. and Kouta, H.I., Decreased bioavailability of some antipsychotic phenothiazines due to interactions with adsorbent antacid and antidiarrhoeal mixtures, 187
- Newman, S.P., Pellow, P.G.D. and Clarke, S.W., Efficient nebulisation of powdered antibiotics, 55
- Parr, G.D., see Jones, S.P., 225
- Pellow, P.G.D., see Newman, S.P., 55
- Perfetto, L., see Zingerman, J.R., 141
- Pope, D.G., see Zingerman, J.R., 141
- Roberts, R.J. and Rowe, R.C., Brittle/ductile behaviour in pharmaceutical materials used in tableting, 207
- Rogers, J.A., see Betageri, G.V., 167
- Rollet, M., see Farah, N., 81
- Rowe, R.C., see Roberts, R.J., 207
- Rubinstein, M.H. and Jackson, I.M., Stress relaxation behaviour of compacts of sodium chloride and polyethylene, 99
- Rubinstein, M.H., see Waring, M.J., 29
- Russel, A.D. and Furr, J.R., Comparative sensitivity of smooth, rough and deep rough strains of *Escherichia coli* to chlorhexidine, quaternary ammonium compounds and dibromopropamide isethionate, 193
- Sasaki, H., Matsukawa, Y., Hashida, M. and Sezaki, H., Characterization of alkylcarbamoyl derivatives of 5-fluorouracil and their application to liposome, 149
- Sezaki, H., see Higaki, K., 131
- Sezaki, H., see Sasaki, H., 149
- Shefter, E., see Hussain, M.A., 127
- Silver, K.G., see Waranis, R.P., 213
- Sloan, K.B., see Waranis, R.P., 213
- Smedsrod, B., see Laakso, T., 255
- Smith, W.M., see Ackermann, C., 67
- Snider, B.G., see Hill, R.A., 177
- Stewart, P.J., see Kulvanich, P., 255
- Taverdet, J.L., see Farah, N., 81
- Van der Watt, J.G., The effect of the particle size of microcrystalline cellulose on tablet properties in mixtures with magnesium stearate, 51
- Vergnaud, J.M., see Farah, N., 81
- Waranis, R.P., Silver, K.G. and Sloan, K.B., The solubility parameter of vehicles as a predictor of relative vehicle effects on the diffusion of 6-mercaptopurine, 213
- Waring, M.J., Rubinstein, M.H. and Howard, J.R., Acoustic emission of pharmaceutical materials during compression, 29
- Wilkinson, P.K., see Zingerman, J.R., 141
- Winkens, J.H.M., see Busker, R.W., 113
- Zingerman, J.R., Pope, D.G., Wilkinson, P.K. and Perfetto, L., Automatic injector apparatus for studying the injectability of parenteral formulations for animal health, 141