

**Author Index**

- Afeyan, N. B.  
—, Gordon, N. F. and Cooney, C. L.  
Mathematical modelling of the continuous af-  
finity-recycle extraction purification tech-  
nique 1
- Akama, Y., see Tong, A. 408
- Alary, J., see Cantin, D. 231
- Bartha, A., see Low, G. K.-C. 21
- Berger, T. A.  
Effects of temperature and density on reten-  
tion in capillary supercritical-fluid chromato-  
graphy 311
- Billiet, H. A. H., see Low, G. K.-C. 21
- Black, D. B.  
—, Dawson, B. A. and Neville, G. A.  
Analytical high-performance liquid chroma-  
tography system for separation of compo-  
nents in nonoxynol-9 spermicidal agents 244
- Böhm, H. B.  
—, Feltes, J., Volmer, D. and Levsen, K.  
Identification of nitrophenols in rain-water by  
high-performance liquid chromatography  
with photodiode array detection 399
- Cabras, P.  
—, Spanedda, L., Tuberoso, C. and Gennari, M.  
Separation of primicarb and its metabolites by  
high-performance liquid chromatogra-  
phy 250
- Caccamese, S.  
—, Cascio, O. and Compagnini, A.  
Isolation of an antimicrobial bromoditerpene  
from a marine alga aided by improved bioau-  
tography 255
- Caesar, R.  
—, Weightman, H. and Mintz, G. R.  
High-performance liquid chromatographic  
determination of alkylamidopropyl-N,N-di-  
methyl-N-(2,3-dihydroxypropyl)ammonium  
chlorides in aqueous solutions and cosmetic  
formulations 191
- Cantin, D.  
—, Richard, J.-M. and Alary, J.  
Chromatographic behaviour and determina-  
tion of orellanine, a toxin from the mushroom  
*Cortinarius orellanus* 231
- Carini, M., see Pietta, P. 259
- Cascio, O., see Caccamese, S. 255
- Chadwick, V., see Hall, L. 438
- Compagnini, A., see Caccamese, S. 255
- Cooney, C. L., see Afeyan, N. B. 1
- Creaser, C. S.  
—, Koupai-Abyazani, M. R. and Stephenson, G.  
R.  
Capillary column gas chromatography of  
methyl and trimethylsilyl derivatives of some  
naturally occurring flavonoid aglycones and  
other phenolics 415
- Cross, R. F.  
Narrow-bore high-performance liquid chro-  
matography separations of 22 sulfon-  
amides 422
- Crow, J. A., see Foley, J. P. 287
- Cung, M. T., see Gesquiere, J. C. 121
- Dawson, B. A., see Black, D. B. 244
- De Galan, L., see Low, G. K.-C. 21
- De Kraa, M. A. G., see Niessen, W. M. A. 325
- Diesis, E., see Gesquiere, J. C. 121
- Donovan, T. J., see Wedzicha, B. L. 217
- Dorland, P.  
—, Tod, M., Postaire, E. and Pradeau, D.  
Indirect detection of inorganic anions by high-  
performance liquid chromatography: use of  
papaveraldinium as an ultraviolet absorbing  
agent 131
- Ellingsen, Y., see Langseth, W. 269
- Feltes, J., see Böhm, H. B. 399
- Foley, J. P.  
—, Crow, J. A., Thomas, B. A. and Zamora, M.  
Unavoidable flow-rate errors in high-perform-  
ance liquid chromatography 287
- Fowler, W. K.  
— and Smith, Jr., J. E.  
Indirect determination of O-ethyl S-(2-diiso-  
propylaminoethyl) methylphosphonothioate  
in air at low concentrations 51
- Fukushige, S., see Kato, Y. 264
- Galan, L. de, see Low, G. K.-C. 21
- Ganzerli Valentini, M. T., see Maggi, L. 225
- Gennari, M., see Cabras, P. 250
- Gesquiere, J. C.  
—, Diesis, E., Cung, M. T. and Tartar, A.  
Slow isomerization of some proline-contain-  
ing peptides inducing peak splitting during re-  
versed-phase high-performance liquid chro-  
matography 121
- Ghosh, S., see Hsu, F.-F. 429
- Gordon, N. F., see Afeyan, N. B. 1
- Greef, J. van der, see Niessen, W. M. A. 325

- Green, J. S.  
 ——— and Jorgenson, J. W.  
 Minimizing adsorption of proteins on fused silica in capillary zone electrophoresis by the addition of alkali metal salts to the buffers 63
- Haagsma, N., see Van de Water, C. 205
- Hall, L.  
 ——— and Chadwick, V.  
 Quantitative determination of sulfanilamide in sodium sulfacetamide raw material and ophthalmic solutions by high-performance liquid chromatography 438
- Hashimoto, T., see Kato, Y. 264
- Haux, C., see Silversand, C. 387
- Heeremans, C. E. M., see Niessen, W. M. A. 325
- Hirose, Y., see Shimada, K. 339
- Hoeven, R. A. M. van der, see Niessen, W. M. A. 325
- Hsu, F.-F.  
 ———, Ghosh, S. and Sherman, W. R.  
 Preparative high-performance liquid chromatography using detection by thermospray mass spectrometry 429
- Jasinski, J. S.  
 Multiresidue procedures for the determination of chlorinated dibenzodioxins and dibenzofurans in a variety of foods using capillary gas chromatography-electron-capture detection 349
- Jorgenson, J. W., see Green, J. S. 63
- Kan, M.  
 ———, Komatsu, F., Tanaka, S., Yoshida, H. and Taga, M.  
 Capillary isotachophoretic separation of phosphate, arsenate, germanate, silicate and molybdate ions using complex-forming equilibria 238
- Kasai, K.-I., see Nakamura, K. 159
- Kato, Y.  
 ———, Yamasaki, Y., Onaka, A., Kitamura, T., Hashimoto, T., Murotsu, T., Fukushige, S. and Matsubara, K.  
 Separation of DNA restriction fragments by high-performance ion-exchange chromatography on a non-porous ion exchanger 264  
 ———, see Nakamura, K. 159
- Kawahara, Y., see Naganuma, H. 149
- Kitamura, T., see Kato, Y. 264
- Komatsu, F., see Kan, M. 238
- Komine, Y., see Shimada, K. 339
- Koupai-Abyazani, M. R., see Creaser, C. S. 415
- Kraa, M. A. G. de, see Niessen, W. M. A. 325
- Kuhn, R., see Mosher, R. A. 39
- Langseth, W.  
 ———, Ellingsen, Y., Nymoene, U. and Økland, E. M.  
 High-performance liquid chromatographic determination of zearalenone and ochratoxin A in cereals and feed 269
- Levsen, K., see Böhm, H. B. 399
- Low, G. K.-C.  
 ———, Bartha, A., Billiet, H. A. H. and De Galan, L.  
 Systematic procedure for the determination of the nature of the solutes prior to the selection of the mobile phase parameters for optimization of reversed-phase ion-pair chromatographic separations 21
- Maffei, F. R., see Pietta, P. 259
- Maggi, L.  
 ———, Stella, R., Ganzerli Valentini, M. T. and Pietta, P.  
 Model compound sorption by the resins XAD-2, XAD-8 and diethylaminoethylcellulose. An useful application to flavonoids isolation 225
- Manes, L. V., see Ward, K. D. 169
- Maoka, T.  
 ——— and Matsuno, T.  
 Diastereomeric resolution of carotenoids. III.  $\beta,\beta$ -Caroten-2-ol,  $\beta,\beta$ -carotene-2,2'-diol and 2-hydroxyechinone 379
- Matsubara, K., see Kato, Y. 264
- Matsuno, T., see Maoka, T. 379
- Mauri, P., see Pietta, P. 259
- Miething, H.  
 ——— and Seger, V.  
 Separation of non-polar compounds by drop-let counter-current chromatography 433
- Mintz, G. R., see Caesar, R. 191
- Mori, S.  
 ———, Saito, T. and Takeuchi, M.  
 Separation of prepolymers of phenol-formaldehyde resins by supercritical-fluid chromatography 181
- Mosher, R. A.  
 ———, Thormann, W., Kuhn, R. and Wagner, H.  
 Experimental and theoretical dynamics of isoelectric focusing. III. Transient multi-peak approach to equilibrium of proteins in simple buffers 39
- Mucha, I.  
 ———, Tanács, B. and Tóth, G.  
 Adsorption chromatographic separation of  $^{125}$ I-labelled derivatives of 3'-azido-3'-deoxythymidine 280
- Murotsu, T., see Kato, Y. 264

- Naganuma, H.  
— and Kawahara, Y.  
Sensitive fluorescence labelling for analysis of carboxylic acids with 4-bromomethyl-6,7-methylenedioxy coumarin 149
- Nagasawa, K., see Uchiyama, H. 275
- Nakamura, K.  
—, Toyoda, K., Kato, Y., Shimura, K. and Kasai, K.-I.  
Preparation of adsorbents for affinity chromatography using TSK gel Tresyl-Toyopearl 650M 159
- Neville, G. A., see Black, D. B. 244
- Niessen, W. M. A.  
—, Van der Hoeven, R. A. M., De Kraa, M. A. G., Heeremans, C. E. M., Tjaden, U. R. and Van der Greef, J.  
Repeller effects in discharge ionization in liquid and supercritical-fluid chromatography—mass spectrometry using a thermospray interface. II. Changes in some analyte spectra 325
- Nymoën, U., see Langseth, W. 269
- Oe, T., see Shimada, K. 339
- Ogamo, A., see Uchiyama, H. 275
- Økland, E. M., see Langseth, W. 269
- Onaka, A., see Kato, Y. 264
- Phillips, J. B., see Zhang, M. 141
- Pietta, P., see Maggi, L. 225
- , Mauri, P., Facino, R. M. and Carini, M.  
High-performance liquid chromatographic analysis of  $\beta$ -escin 259
- Postaire, E., see Dorland, P. 131
- Pradeau, D., see Dorland, P. 131
- Richard, J.-M., see Cantin, D. 231
- Rizzi, A. M.  
Band broadening in high-performance liquid chromatographic separations of enantiomers with swollen microcrystalline cellulose triacetate packings. I. Influence of capacity factor, analyte structure, flow velocity and column loading 71
- , Band broadening in high-performance liquid chromatographic separations of enantiomers with swollen microcrystalline cellulose triacetate packings. II. Influence of eluent composition, temperature and pressure 87
- , Evaluation of the optimization potential in high-performance liquid chromatographic separations of optical isomers with swollen microcrystalline cellulose triacetate 101
- Saito, T., see Mori, S. 181
- Schmid, R. W.  
— and Wolf, C.  
Enhanced ultraviolet detection in high-performance liquid chromatographic analysis of drugs by "on-line" photochemical reaction 369
- Seger, V., see Miething, H. 433
- Sherman, W. R., see Hsu, F.-F. 429
- Shimada, K.  
—, Oe, T., Hirose, Y. and Kominc, Y.  
Retention behaviour of cardiac steroids using cyclodextrin in the mobile phase in high-performance liquid chromatography 339
- Shimura, K., see Nakamura, K. 159
- Silversand, C.  
— and Haux, C.  
Isolation of turbot (*Scophthalmus maximus*) vitellogenin by high-performance anion-exchange chromatography 387
- Smith, Jr., J. E., see Fowler, W. K. 51
- Spanedda, L., see Cabras, P. 250
- Stella, R., see Maggi, L. 225
- Stephenson, G. R., see Creaser, C. S. 415
- Taga, M., see Kan, M. 238
- Takeuchi, M., see Mori, S. 181
- Tanács, B., see Mucha, I. 280
- Tanaka, S., see Kan, M. 238
- , see Tong, A. 408
- Tartar, A., see Gesquiere, J. C. 121
- Tebbal, D., see Van de Water, C. 205
- Thomas, B. A., see Foley, J. P. 287
- Thormann, W., see Mosher, R. A. 39
- Tjaden, U. R., see Niessen, W. M. A. 325
- Tod, M., see Dorland, P. 131
- Tong, A.  
—, Akama, Y. and Tanaka, S.  
Reversed-phase high-performance liquid chromatography of aluminium(III) and indium(III) with 1-phenyl-3-methyl-4-benzoyl-5-pyrazolone 408
- Tóth, G., see Mucha, I. 280
- Toyoda, K., see Nakamura, K. 159
- Tuberoso, C., see Cabras, P. 250
- Uchiyama, H.  
—, Ogamo, A. and Nagasawa, K.  
Chromatographic method for determination of hexuronic acid in dermatan sulphate 275
- Van der Greef, J., see Niessen, W. M. A. 325
- Van der Hoeven, R. A. M., see Niessen, W. M. A. 325
- Van de Water, C.  
—, Tebbal, D. and Haagsma, N.  
Monoclonal antibody-mediated clean-up procedure for the high-performance liquid chromatographic analysis of chloramphenicol in milk and eggs 205
- Vobecký, M.  
Chromatographic separation of the heavier lanthanoids on the spherical cation exchanger OSTION with  $\alpha$ -hydroxy- $\alpha$ -methylbutyrate 446
- Volmer, D., see Böhm, H. B. 399
- Wagner, H., see Mosher, R. A. 39

- Ward, K. D.  
— and Manes, L. V.  
  Separation of the four optical isomers of a dihydropyridine calcium channel antagonist 169
- Water, C. van de, see Van de Water, C. 205
- Wedzicha, B. L.  
— and Donovan, T. J.  
  Separation of derivatized black tea thearubigins by high-performance liquid chromatography 217
- Weightman, H., see Caesar, R. 191
- Wolf, C., see Schmid, R. W. 369
- Yamasaki, Y., see Kato, Y. 264
- Yoshida, H., see Kan, M. 238
- Zamora, M., see Foley, J. P. 287
- Zhang, M.  
  and Phillips, J. B.  
  Determination of activity coefficients of binary liquids by capillary gas chromatography with thermal desorption modulation for direct headspace sampling 141