

## HPLC BIBLIOGRAPHY

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- "HPLC advances. A fast, reproducible and rugged analytical method uses a reverse phase column with non-porous silica (NPS)", *Environmental Lab*, August/September 1996. (493)
- Abeijon, C., J.M. Capasso and C.B. Hirschberg, "High performance ion-exchange chromatographic separation of cytidine monophosphate-N-acetylneuraminic acid and cytidine nucleotides", *J. Chromatogr.*, 360 (1986) 293-297. (164)
- Abraham, E.C., A. Abraham and M. Stallings, "HPLC separation of glycosylated and acetylated minor hemoglobins in newborn infants and in patients with sickle cell disease", *J. Lab. Clin. Med.*, 104(6) (1984) 1027-1034. (144)
- Absolom, D.R. and R.A. Barford, "Determination of surface tension of packings for HPLC", *Anal. Chem.*, 60 (1988) 210-212. (231)
- Abuirjeie, M.A., M.E. Abdel-Hamid and E.A. Ibrahim, "Simultaneous HPLC Assay of Acetaminophen, Acetylsalicylic Acid, Caffeine and d-Proproxyphen Hydrochloride", *Anal. Lett.*, 22(2) (1989) 365-375. (286)
- Abuirjeie, M.A., M.E. Abdel-Hamid, A.A. Abdel-Aziz and E-S.A. Ibrahim, "A comparative study of HPLC and microbiological determination of p-hydroxybenzoate esters (parabens) in pharmaceutical formulations", *Anal. Lett.*, 23 (1990) 67-92.. (335)
- Adamic, M.L. and D.E. Bartak, "High-pressure, aqueous, size-exclusion chromatography of copper(II) complexes of poly(aminocarboxylic acids), catechol, and fulvic acids using reverse-pulse amperometric detection", *Anal. Chem.*, 57 (1985) 279-283. (398)
- Aggarwal, B.B., "Human Lymphotoxin", *Meth. Enzymol.*, 116 (1985) 441-448. (176)
- Aggarwal, B.B. and W.J. Kohr, "Human tumor necrosis factor", *Meth. Enzymol.*, 116 (1985) 448-456. (281)
- Aggarwal, B.B., W.J. Henzel, B. Moffat, W.J. Kohr and R.N. Harkins, "Primary structure of human lymphotoxin derived from 1788 lymphoblastoid cell line", *J. Biol. Chem.*, 260 (4) (1985) 2334-2344. (175)
- Aggarwal, B.B., W.J. Kohr, P.E. Hass, B. Moffat, S.A. Spencer, W.J. Henzel, T.S. Bringman, G.E. Nedwin, D.V. Goeddel and R.N. Harkins, "Human tumor necrosis factor", *J. Biol. Chem.*, 260 (1985) 2345-2354. (171)
- Agosin, M. and J. Srivatsan, "Role of microsomal cytochrome P-450 in the formation of ecdysterone in larval house fly", *Comp. Biochem. Physiol.*, 99B(2) (1991) 271-274. (404)
- Aktan, B. and K. Khan, "Effect of High-Temperature Drying of Pasta on Quality Parameters and on Solubility, Gel Electrophoresis, and Reversed-Phase HPLC of Protein Components", *Cereal Chem.*, 69(3) (1992) 288-295. (386)

- Allison, M.J. and H. Bain,, "The use of reversed-phase HPLC as an aid to the identification of European barley cultivars", *Euphytica*, 35 (1986) 345-351. (173)
- Al-Mutairy, A.R., R.C. Brown and R.L. Dormer, "The use of HPLC for the purification of calmodulin from pancreatic acinar cells", *Biochem. Soc. Trans.*, 13 (1985) 1229-1230. (140)
- Amanullah, A., S. Hanash, K. Bunnell, J. Strahler, D.L. Rucknagel and S.J. Ferruci, "Cord blood screening for hemoglobin disorders by HPLC", *Anal. Biochem.*, 123 (1982) 402-407. (30)
- Ameyibor, E. and J. Stewart, "Enantiomeric HPLC Separation of Selected Chiral Drugs Using Native and Derivatized  $\beta$ -Cyclodextrins as Chiral Mobile Phase Additives", *Journal of Liquid Chromatography & Related Technology*, 20(6) (1997) 855-869. (481)
- Andrews, P.C., "Ion-exchange HPLC as an orthogonal method for the purification of peptides", *Pept. Res.*, 1(2) (1988) 93-99. (263)
- Ansari, G.A.S., N.T. Patel, R.R. Fritz and C.W. Abell, "Purification of human platelet monoamine oxidase B by HPLC", *J. Liq. Chromatogr.*, 6(8) (1983) 1407-19. (50)
- Arnaiz, Georgina Rodriguez de Lores and Clara Pena, "Characterization of Synaptosomal Membrane Na<sup>+</sup>, K<sup>+</sup> - ATPase Inhibitors", *Neurochem. Int.* 27 (1995) 319-327. (532)
- Ash, S.R., Z.T.J. Bungu and F.E. Regnier, "Anion exchange chromatography and double-diffusion cells for the study of middle molecules", *Kidney Int.*, 24 (1983) 250-255. (60)
- Bailey, Christopher and Chao Yan, "Separation of Explosives Using Capillary Electrochromatography", *Analytical Chemistry* 70 (1998) 3275-3279. (482)
- Baker, J.E., "Purification of isoamylases from the rice weevil, *sitophilus oryzae* (L.) (coleoptera:curculionidae), by HPLC and their interaction with partially-purified amylase inhibitors from wheat", *Insect Biochem.*, 17(1) (1987) 37-44. (184)
- Baker, J.E., "Purification of an alpha-amylase inhibitor from wheat, *Triticum Aestivum*, and its interaction with amylases from the rice weevil, *Sitophilus oryzae* (Coleoptera: Curculionidae)", *Insect Biochem.*, 18(1) (1988) 107-116. (431)
- Baker, R.K. and M.O. Lively, "Purification and characterization of hen oviduct microsomal signal peptidase", *Biochem.*, 26 (1987) 8561-8567. (232)
- Banks, J.F. and E.E. Gulcicek, "Rapid Peptide Mapping by Reversed-Phase Liquid Chromatography on Nonporous Silica with On-Line Electrospray Time-of-Flight Mass Spectrometry", *Anal. Chem.*, 69(19) (1997) 3973-3978. (483)
- Barder, Timothy, Pamela J. Wohlman, Cary Thrall and Phil D. DuBois , "Fast Chromatography and Nonporous Silica", *LC-GC*, 15 (1997) 918-926. (484)
- Barford, R.A., T.F. Kumosinski, N. Parris and A.E. White, "Salt binding effects in hydrophobic interaction chromatography", *J. Chromatogr.*, 458 (1988) 57-66. (270)
- Barth, H.G., "High-performance gel permeation chromatography of pectins", *J. Liq. Chromatogr.*, 3 (1980) 1481-1496. (7)
- Barth, H.G., "Practical approach to steric exclusion chromatography of water-soluble polymers", *J. Chromatogr. Sci.* 18 (1980) 409-429. (8)

- Barth, H.G., "High-performance size-exclusion chromatography of hydrolyzed plant proteins", *Anal. Biochem.*, 124 (1982) 191-200. (35)
- Barth, H.G. and F.E. Regnier, "High-performance gel permeation chromatography of water-soluble celluloses", *J. Chromatogr.* 192 (1980) 275-293. (6)
- Barth, H.G. and D.A. Smith, "High-performance size-exclusion chromatography of guar gum", *J. Chromatogr.*, 206 (1981) 410-415. (18)
- Barth, H.G. and F.E. Regnier, "High-performance gel permeation chromatography of industrial gums; analysis of pectins and water-soluble polymers", *Adv. Carbohydr. Chem. Biochem.*, (1984). (16)
- Beazley, P.M., "Quantitative determination of partially hydrolyzed polyacrylamide polymers in oil field production water", *Anal. Chem.*, 57 (1985) 2098-2101. (120)
- Bellinger, L.L. and V.E. Mendel, "The effects of semi- and HPLC-purified human satietin and Ó-1-glycoprotein on ingestion and body weight", *Brain Res. Bull.*, 25 (1990) 941-947. (349)
- Bellinger, L.L. and V.E. Mendel, "HPLC-purified human satietin does not produce conditioned taste aversion in rats", *Pharm. Biochem. Behav.*, 39 (1991) 161-165. (360)
- Bietz, J.A., "Separation of cereal proteins by reversed-phase HPLC", *J. Chromatogr.*, 255 (1983) 219-238. (24)
- Bietz, J.A., "HPLC: how proteins look in cereals", *Cereal Chem.*, 62(3) (1985) 201-212. (63)
- Bietz, J.A., "Analysis of wheat gluten proteins by HPLC", *Bakers Digest*, 58(1) (1984) 15-17,20-21,32. (66)
- Bietz, J.A., "Advances in Cereal Science and Technology", *Am. Assoc. Cereal Chem.*, Vol. VIII, Chap. 3, (1986) 105. (191)
- Bietz, J.A., "HPLC of Cereal Endosperm Storage Proteins", *HPLC of Biological Macromolecules: Methods and Applications*, Marcel Dekker, Inc. (1990) 429-455.. (330)
- Bietz, J.A. and L.A. Cobb, "Improved procedures for rapid wheat varietal identification by reversed-phase HPLC of gliadin", *Cereal Chem.*, 62(5) (1985) 332-339. (138)
- Bietz, J.A. and T. Burnouf, "Chromosomal control of wheat gliadin: analysis by reversed-phase HPLC", *Theor. Appl. Genet.*, 70 (1985) 599-609. (141)
- Bietz, J.A., T. Burnouf, L.A. Cobb and J.S. Wall, "Gliadin analysis by reversed-phase HPLC: optimization of extraction conditions", *Cereal Chem.*, 61(2) (1984) 124-129. (61)
- Bietz, J.A., T. Burnouf, L.A. Cobb and J.S. Wall, "Wheat varietal identification and genetic analysis by reversed-phase HPLC", *Cereal Chem.*, 61(2) (1984) 129-135. (62)
- Billedeau, S.M., M.S. Bryant and C.L. Holder, "Analysis of heterocyclic amines using reversed-phase HPLC with electrochemical detection", *LCGC* 9 (1991) 116-120. (338)
- Bischoff, K., "Mehr information bei der proteintrennung mittels HPLC", *Labor Praxis*, Jan/Feb (1986) 58-62 (German). (150)
- Bischoff, Klaus, "Ultra-Fast-Liquid-Chromatographie", *LaborPraxis*, November (1996) 56-58. (485)
- Bischoff, Klaus, "Ultra-Fast-Liquid Chromatographie", *LaborPraxis*, 20(11) (1996) B19121. (486)

- Bisse, E., A. Abraham, M. Stallings, R.E. Perry and E.C. Abraham, "HPLC separation and quantitation of glycosylated hemoglobin A2 as an alternate index of glycemic control", *J. Chromatogr.*, 374 (1986) 259-269. (157)
- Bogusz, M., M. Erkens, R.D. Maier and I. Schroder, "Applicability of Reversed-Phase Base-Deactivated Columns for Systematic Toxicological Analysis", *J. Liq. Chromatogr.*, 15(1) 127-150 (1992). (381)
- Bolzacchini, E., V. Consonni, R. Lucini, M. Orlandi, B. Rindone, "High-performance size exclusion chromatographic behaviour of substituted benzoylpolyl-L-lysines by principal component analysis and molecular dynamics simulation", *J. Chromatogr. A*, 813 (1998) 255-265. (528)
- Bostick, W.D., M.S. Denton and S.R. Dinsmore, "New developments in on-line isoenzyme monitoring for use in clinical diagnostics", *Clin. Chem.*, 26 (1980) 172-177. (5)
- Bouthillier, F., M. Carmel, M. Elhilali, F. Radwan and J.G. Lehoux, "Application of high-performance liquid chromatofocusing to the study of prostatic androgen receptors - effect of stabilizing agents on the heterogeneity of receptor structure", *J. Chromatogr.*, 403 (1987) 171-182. (214)
- Boyle, D.M., R.D. Wiehle, N.A. Shahabi and J.L. Wittliff, "A rapid, high resolution procedure for assessment of estrogen receptor heterogeneity in clinical samples", *J. Chromatogr.*, 327 (1985) 369-376. (108)
- Brandt, D.W. and J.L. Wittliff, "Assessment of estrogen receptor-monoclonal antibody interaction by HPLC", *J. Chromatogr.*, 397 (1987) 287-297. (204)
- Brewer, S.J. and B.R. Larsen, "Isolation and purification of proteins using preparative HPLC", *Sep. Biotech.*, (1987) 113-126. (400)
- Buck, M.A. and A.R. Kerlavage, "Mapping receptor structure and function", *The Use of HPLC in Receptor Biochemistry*, A.R. Liss, ed., (1989) 107-127. (323)
- Buck, M.A., T.A. Olah, C.J. Weitzmann and B.S. Cooperman, "Protein estimation by the product of integrated peak area and flow rate", *Anal. Biochem.*, 182 (1989) 295-299. (418)
- Buckley, J.J. and D.B. Wetlaufer, "Use of the surfactant 3-(3-cholamidopropyl)-dimethyl-ammonio propane sulfonate in hydrophobic interaction of proteins", *J. Chromatogr.*, 464 (1988) 61-71. (274)
- Buckley, J.J. and D.B. Wetlaufer, "Surfactant-mediated hydrophobic interaction chromatography of proteins: gradient elution", *J. Chromatogr.*, 518 (1990) 99-110. (421)
- Bunker, J.R., R.H. Lockerman, C.F. McGuire, T.K. Blake and R.E. Engel, "Soil Moisture Effects on Bread Loaf Quality and Evaluation of Gliadins with Reversed-Phase HPLC", *Cer. Chem.*, 66(5) (1989) 427-431. (304)
- Burke, T.W.L., C.T. Mant and R.S. Hodges, "The effect of varying flow-rate, gradient-rate and detection wavelength on peptide elution profiles in reversed-phase chromatography", *HPLC of Peptides and Proteins*, Mant and Hodges eds., (1991) 307-317. (373)
- Burke, T.W.L., C.T. Mant, J.A. Black and R.S. Hodges, "Strong cation exchange HPLC of peptides. Effect of nonspecific hydrophobic interactions and linearization of peptide retention behaviour", *J. Chromatogr.*, 476 (1989) 377-389. (273)
- Burnell, J.C., L.G. Carr, F.E. Dwulet, H.J. Edenberg, T.K. Li and W.F. Bosron, "The human  $\beta$ 3 alcohol dehydrogenase subunit differs from  $\beta$ 1 by a Cys for Arg-369 substitution which decreases NAD(H) binding", *Biochem. Biophys. Res. Comm.*, 146(3) (1987) 1227-1233. (280)

- Burnouf, T. and J.A. Bietz, "Reversed-phase HPLC of durum wheat gliadins: relationships to pasta quality", *J. Cer. Sci.*, 2(1) (1984) 3-14. (65)
- Burnouf, T. and J.A. Bietz, "Chromosomal control of glutenin subunits in aneuploid lines of wheat: analysis by reversed-phase HPLC", *Theor. Appl. Genet.*, 70 (1985) 610-619. (142)
- Burnouf, T. and J.A. Bietz, "Identification of wheat cultivars and prediction of quality by reversed-phase HPLC analysis of endosperm storage proteins", *Seed Sci. & Technol.*, 15 (1987) 79-99. (211)
- Burnouf, T., J.A. Bietz, L.A. Cobb and J.S. Wall, "HPLC of gliadins from bread wheat varieties grown in France", *C.R. Acad. Sci., Paris*, 297 (1983) 377-382. (64)
- Cachia, P.J. and R.S. Hodges, "Separation of protein isoforms: an ion-exchange HPLC separation of bovine and cardiac troponin complexes", *HPLC of Peptides and Proteins*, Mant and Hodges eds., (1991) 245-253. (369)
- Cachia, P.J., J. Van Eyk, P.C.S. Chong, A. Taneja and R.S. Hodges, "Separations of basic peptides by cation-exchange high pressure liquid chromatography", *J. Chromatogr.*, 266 (1983) 651-659. (40)
- Cachia, P.J., J. Van Eyk, W.D. McCubbin, C.M. Kay and R.S. Hodges, "Ion-exchange HPLC purification of bovine cardiac and rabbit skeletal muscle troponin subunits", *J. Chromatogr.*, 343 (1985) 315-328. (137)
- Calvaruso, G., G. Tesoriere, R. Vento, M. Giuliano and M. Carabillo, "High-performance liquid chromatographic method for the determination of insulin synthesis in biological systems", *J. Chromatogr. B*, 660 (1994) 259-264. (469)
- Capel, M., D. Datta, C.R. Nierras and G.R. Craven, "Preparative ion-exchange HPLC of bacterial ribosomal proteins", *Anal. Biochem.*, 158 (1986) 179-188. (210)
- Capel, M., D. Datto, C.R. Nierras and G.R. Cravan, "Preparative ion-exchange HPLC of bacteria ribosomal proteoens", *Anal. Chem.*, 58 (1986) 179-188. (181)
- Chakraborty, G. and R.W. Leeden, "Guanylyl cyclase activity in rat brain myelin and white matter", *J. Neurochem.*, 61 (1993) 1953-1956. (406)
- Chan, S.Y. and P.J. Simpson, "Size-exclusion HPLC as a rapid monitor for mRNA isolation", *BioTechniques*, Mar/Apr (1985) 114-118. (106)
- Chen, P., B. L. Osborn, F.P. Abramson, "Examining the origin of melatonin from a "natural" source by isotope ratio mass spectrometry with liquid-chromatographic introduction", *J. AOAC Int.*, 81, (1998) 40-43. (527)
- Chen, Yajuan, Wall, Dan and Lubman, David, "Rapid Identification and Screening of Proteins from Whole Cell Lysates of Human Erythroleukemia Cells in the Liquid Phase, Using Non-porous Reversed Phase High-performance Liquid Chromatography Separation of Proteins Followed by Multi-assisted Laser Desorption/Ionization Mass Spectrometry Analysis and Sequence Database Searching", *Rapid Commun. Mass Spectrom.*, 12, 1994-2003 (1998) (539)
- Chlenov, M.A., S.M. Yarovaya, G.S. Alekseeva, L.I. Kudryashov, E.V. Titova, L.P. Grineva and A.S. Reshetov, "Determination of molecular weights of microbial polysaccharides by high-performance size-exclusion chromatography", *Prikl. Biokhim. Mikrobiol.*, 23(4) (1987) 515-521 (Russian). (219)
- Chong, Bethsheba E., Lubman, David M., Rosenspire, Allen and Miller, Fred, "Protein Profiles and Identification of High Performance Liquid Chromatography Isolated Proteins of Cancer Cell Lines Using Matrix-assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry", *Rapid Commun. Mass Spectrom.*, 12, 1986-93 (1998) (538)

- Chong, Bathsheba E., Hamler, Rick L., Lubman, David M., Ethier, Stepyhen P. Rosenspire, Allen J. and Miller, Fred R., "Differential Screening and Mass Mapping of Proteiins from Premalignant and Cancer Cell Lines Using Nonporous Reversed-Phase HPLC Coupled with Mass Spectrometric Analysis", *Analytical Chemistry*, Volume 73, Number 6, Pages 1219-1227, March 15, 2001. (552)
- Clark, B.R., J.A. Zaia, L. Balce-Directo and Y.P. Ting, "Isolation and partial chemical characterization of a 64000-Dalton glycoprotein of human cytomegalovirus", *J. Virol.*, 49 (1984) 279-282. (352)
- Collawn, J.F., Jr. and W.W. Fish, "The distribution of ferritin subunit types in porcine tissues", *Comp. Biochem. Physiol.*, 78B(3) (1984) 653-656. (99)
- Collawn, J.F., Jr., H. Donato, Jr., E. Council and W.W. Fish, "Separation of multiple ferritin subunit types by reversed-phase HPLC", *J. Liq. Chromatogr.*, 9(8) 1986) 1679-1688. (166)
- Collawn, J.F., Jr., P.Y. Lau, S.L. Morgan, A. Fox and W.W. Fish, "A chemical and physical comparison of ferritin subunit species fractionated by HPLC", *Arch. of Biochem. and Biophys.*, 233(1) (1984) 260-266. (79)
- Cooperman, B.S., C.J. Weitzmann and M.A. Buck, "Reversed-Phase HPLC of Ribosomal Protoeins", *Meth. Enzymol.*, 164 (1988) 523-532. (282)
- Coppenhaver, D.H., D.H., J.E. Monk and L.K. Duffy, "Use of HPLC techniques and monoclonal antibodies in the study of lemur hemoglobins", *Protides Biol. Fluids*, 32 (1985) 1037-1040. (119)
- Craft, D.V., N.H. Goss, N. Chandramouli and H.G. Wood, "Purification of biotinidase from human plasma and its activity on biotinyl peptides", *Biochem.*, 24 (1985) 2471-2476. (122)
- Crawford, D.L. and R.K. Gupta, "Depolymerization and Chemical Modification of Lignite Coal by Pseudomonas Cepacia Strain DLC-07", *Appl. Biochem. Biotech.*, 24/25 (1990) 889.. (315)
- Crawford, D.L. and R.K. Gupta, "Influence of Cultural Parameters on the Depolymerization of a Soluble Lignite Coal Polymer by pseudomonas cepacia DLC-07", *Resources, Conservation & Recycling* (1990). (316)
- Czok, M., A.M. Katti and G. Guiochon, "Effect of sample viscosity in high-performance size-exclusion chromatography and its control", *J. Chromatogr.*, 550 (1991) 705-719. (361)
- Dadoo, R., C. Yan, R. Zare, D. Anex, D. Rakestraw, and G. Hux , "Advances Towards the Routine Use of Capillary Electrochromatography", *LC-GC International*, March (1997) 164-174. (487)
- Dart, L.L., D.M. Smith, C.A. Meyers, M.B. Sporn and C.A. Frolik, "Transforming growth factors from a human tumor cell: characterization of transforming growth factor  $\beta$  and identification of high molecular weight transforming growth factor  $\alpha$ ", *Biochem.*, 24 (1985) 5925-5931. (134)
- David, R.M. and Z.K. Shihabi, "Glycosylated hemoglobin determinations by isocratic HPLC", *J. Liq. Chromatogr.*, 7(14) (1984) 2875-2885. (87)
- Dohoman, H.G., M.G. Caron, C.D. Strader, N. Amlaiky and R.J. Lefkowitz, "Identification and sequence of a binding site peptide of the B2-adrenergic receptor", *Biochem.*, 27 (1988) 1813-1817. (333)
- Domazetis, G., "Determination of anions by non-suppressed ion chromatography using an amine column", *Chromatographia*, 18 (7) (1984) 383-386. (86)
- Dotimas, E.M., K.R. Hamid, R.C. Hider and U. Ragnarsson, "Isolation and structure analysis of bee venom mast cell degranulating peptide", *Biochim. Biophys. Acta*, 911 (1987) 285-293. (199)

- Dreyfus, G., H. Guimaraes-Motta and J.L. Silva, "Effect of Hydrostatic Pressure on the Mitochondrial ATP Synthase", *Biochem.*, 27 (1988) 6704. (298)
- Dwulet, F.E., D.K. Wallace and M.D. Benson, "Amino Acid Structures of Multiple Forms of Amyloid-Related Serum Protein SAA from a Single Individual", *Biochem.*, 27 (1988) 1677. (317)
- Endo, S., K. Okada, S. Nagao and B.L. D'Appolonia, "Quality characteristics of hard red spring and winter wheats. II. Statistical evaluations of reversed-phase HPLC and milling data", *Cereal Chem.*, 67(5) (1990) 486-489. (276)
- Eng, M., V. Ling, J.A. Briggs, K. Souza, E. Canova-Davis, M.F. Powell, L.R. De Young, "Formulation development and primary degradation pathways for recombinant human nerve growth factor", *Anal. Chem.*, 69(20) (1997) 4184-4190. (520)
- Engelhardt, Heinz, Stefan and Hafner Lamotte, and Frank-Thorsten, "High-performance liquid chromatography and capillary electrochromatography with nonporous 1.5-mm particles", *American Laboratory*, (1988) 40-44. (488)
- Esser, A.F. and J.M. Sadetz, "Membrane attack complex proteins C5b-6, C7, C8 and C9 of human complement", *Meth. Enzymol.*, 162 (1988) 551-578. (275)
- Fausnaugh-Pollitt, J., G. Thevenon, L. Janis and F.E. Regnier, "Chromatographic resolution of lysozyme variants", *J. Chromatogr.*, 443 (1988) 221-228. (251)
- Feldhoff, R., "Why not ethanol-based solvents for RP-HPLC of peptides and proteins?", *Tech. Protein Chem. II*, (1991) 55-63. (356)
- Felix, A.M., E.P. Heimer and S.J. Tarnowski, "Analysis of different forms of recombinant human interferons by HPLC", *Methods Enzymol.*, 119 (1986) 242-248. (180)
- Felix, A.M., E.P. Heimer, T.J. Lambros, J. Swistok, S.J. Tarnowski and C.T. Wang, "Analysis of different forms of recombinant human leukocyte interferons and synthetic fragments by HPLC", *J. Chromatogr.*, 327 (1985) 359-368. (117)
- Fett, J.W., D.J. Strydom, R.R. Lobb, E.M. Alderman and B.L. Vallee, "Lysozyme: a major secretory product of a human colon carcinoma cell line", *Biochem.*, 24 (1985) 1496-1501. (110)
- Fett, J.W., D.J. Strydom, R.R. Lobb, E.M. Alderman, J.L. Bethune, J.F. Riodan and B.L. Vallee, "Isolation and characterization of angiogenin, and angiogenic protein from cells", *Biochem.*, 24 (1985) 5480-5486. (127)
- Fish, W.W., "A method for the quantitation of 5'-mononucleotides in foods and food ingredients", *J. Agric. Food Chem.*, 39 (1991) 1098-1101. (348)
- Fishman, M. and P. Hoagland, "Characterization of starches dissolved in water by microwave heating in a high pressure vessel", *Carbohydrate Polymers*, 23 (1994) 175-183. (463)
- Fishman, M., D. Gillespie, and B. Levaj, "Structural analysis of aggregated polysaccharides by high performance size exclusion chromatography-viscometry", In *Chromatography of Polymers, Characterization by SEC and FFF*, ed. T. Provder, ACS Symposium Series 521, Washington, DC, Ch. 22, (1993) 314-325. (471)
- Fishman, M., D. Gillespie, S. Sondey and Y. El-Atawy, "Intrinsic viscosity and molecular weight of pectin components", *Carbohydrate Res.*, 215 (1991) 91-104. (470)

- Fishman, M., Y. El-Atawy, S. Sondey, D. Gillespie and K. Hicks, "Component and global average radii of gyration of pectins from various sources", *Carbohydrate Polymers*, 15 (1991) 89-104. (462)
- Fishman, M.L., D.T. Gillespie, S.M. Sondey and R.A. Barford, "Characterization of pectins by size exclusion chromatography in conjunction with viscosity detection", *J. Agric. Food Chem.*, 37 (1989) 584-591. (479)
- Fishman, M.L., D.T. Gillespie, S.M. Sondey and R.A. Barford, "Size exclusion chromatography with viscosity detection of complex polysaccharides: component analysis", *J. Agric. Food Chem.*, 41 (1993) 1274-1281. (480)
- Fishman, M.L., K.C. Gross, D.T. Gillespie and S.M. Sondey, "Macromolecular components of tomato fruit pectin", *Arch. Biochem. Biophys.*, 274(1) 179-191, (1989). (407)
- Fishman, M.L., P. Cooke, B. Levaj, D.T. Gillespie, S.M. Sondey and R. Scorza, "Pectin microgels and their subunit structure", *Arch. Biochem. Biophys.*, 294(1) (1992) 253-260. (455)
- Fishman, R.M., G.L. Moore, A. Zegna and M.A. Marini, "HPLC evaluation of pyridoxyl 5'-phosphate hemoglobin derivatives produced by different reduction procedures", *J. Chromatogr.*, 532 (1990) 55-64. (341)
- Flamini, G., F. Ria and F. Scuderi, "Size-exclusion HPLC of immune complexes isolated from patients with acute leukaemia", *J. Chromatogr.*, 421 (1987) 434-436. (229)
- Flurer, C., C. Borra, S. Beale and M. Novotny, "Fused silica packed microcolumns as micropreparative tools in protein analytical studies", *Anal. Chem.*, 60 (1988) 1826-1829. (253)
- Flurer, C.L., C. Borra, F. Andreolini and M. Novotny, "Separation of proteins by microcolumn liquid chromatography based on the reversed-phase and size-exclusion principles", *J. Chromatogr.*, 448 (1988) 73-86. (258)
- Folk, P., J. Dong and J.L. Wittliff, "Simultaneous identification of estrogen and progesterone receptors by HPLC using a double isotope assay", *J. Steroid Biochem. Molec. Biol.*, 42(2) (1992) 141-150. (402)
- Freedman, A.R., H. Wieser, H.J. Ellis and P.J. Ciclitira, "Immunoblotting of Gliadins Separated by Reversed-Phase HPLC: Detection with Monoclonal Antibodies", *J. Cereal Sci.*, 8 (1988) 231-238. (283)
- Freer, S.N., "Purification and characterization of the extracellular  $\beta$ -glucosidase produced by *Candida wickerhamii*", *Arch. Biochem. Biophys.*, 243(2) (1985) 515-522. (426)
- Freiser, H.H. and K.M. Gooding, "A practical guide for the use of reversed phase chromatography in the analysis of proteins and peptides", *BioChromatogr.*, 2(4) (1987) 186-189. (235)
- Freiser, H.H. and K.M. Gooding, "Silica-based supports for HPLC of biopolymers using non-denaturing conditions", *J. Chromatogr.*, 544 (1991) 125-135. (346)
- Freiser, H.H., M.P. Nowlan and D.L. Gooding, "Reversed phase HPLC of basic drugs on a silanol deactivated support", *J. Liq. Chromatogr.*, 12(5) (1989) 827-844. (264)
- Fujinari, E.M., J.D. Manes, "Determination of molecular-mass distribution of food-grade protein hydrolysates by size-exclusion chromatography and chemiluminescent nitrogen detection", *J. Chromatogr. A*, 763 (1997) 323-329. (534)
- Fujita-Yamaguchi, Y., D.H. Hawke, J.E. Shively and S. Choi, "Partial amino acid sequence analyses of human placental insulin receptor", *Protein Seq. Data Anal.*, 1 (1987) 3-6. (449)

- Funae, Y., A.N. Kotake and K. Yamamoto, "Multiple forms of cytochrome P-450 separable by HPLC", Progress in HPLC, Parves et al. eds, VNU Science Press, 1 (1985) 59-81. (114)
- Fung, Y.S. and S.-Y Mo, "Determination of amino-acids and proteins by dual-electrode detection in a flow system", Anal. Chem., 67(6) (1995) 1121-1124. (517)
- Ge, Z., R. Thompson, D. DeTora, T. Maher, P. McKenzie, D. Ellison and J. Crutchfield, "On-line HPLC monitoring of a deprotecting process", Presentation, Tenth International Forum Process Analytical Chemistry-IFPAC, Orlando, FL, January 21-24 (1996). (489)
- Gehas, J. and D.B. Wetlaufer, "Hydrophobic interaction chromatography of small molecules: characterization of the retention of acyl coenzyme A homologues", J. Chromatogr., 477 (1989) 249-258. (432)
- Gehas, J. and D.B. Wetlaufer, "Isocratic hydrophobic interaction chromatography of dansyl amino acids: Correlation of hydrophobicity and retention parameters", J. Chromatogr., 511 (1990) 123-130. (439)
- Gehr, R. and T. Soponkanaporn, "Assessing polyelectrolyte behavior by size-exclusion chromatography", J. Environ. Eng., 116(2) (1990) 343-360. (399)
- Gehring, T., W. Cooper, C. Holder and H. Thompson, "Liquid chromatographic determination of thiamine in rodent feed by postcolumn derivatization and fluorescence detection", J. of AOAC Intl., 78(2) (1995) 307-309. (467)
- Geng, X. and F.E. Regnier, "Retention model for proteins in reversed-phase liquid chromatography", J. Chromatogr., 296 (1984) 15-30. (77)
- Gerardi, Sam, "HPLC: It's a Small World", Pharmaceutical & Cosmetic Quality, 1(6) (1997) 28-31. (490)
- Ghrist, B.F.D., L.R. Snyder and B.S. Cooperman, "HPLC of Ribosomal Proteins", HPLC of Biological Macromolecules: Methods and Applications, Marcel Dekker, Inc. (1990) 403-427.. (329)
- Giesche, H., "Monodispersed silica, a fascinating field of science", Chromatography International, GIT Special (1996) 91-95. (491)
- Glass, R.L., "Analysis of hygrine and cuscohygrine in coca leaves using gas chromatography and high-performance liquid chromatography", J. Agric. Food chem., 45 (1997) 3114-3117. (519)
- Gooding, D.L., C. Chatfield and B. Coffin, "Conditions for the HPLC of proteins on gel permeation and anion-exchange columns", Amer. Lab., 12(8) (1980) 48-61. (11)
- Gooding, D.L., M.N. Schmuck and K.M. Gooding, "HPSEC of cationic polymers on a polyamine support", J. Liq. Chromatogr., 5 (1982) 2259-2270. (29)
- Gooding, D.L., M.N. Schmuck and K.M. Gooding, "Analysis of proteins with new, mildly hydrophobic HPLC packing materials", J. Chromatogr., 296 (1984) 107-114. (69)
- Gooding, D.L., M.N. Schmuck, M.P. Nowlan and K.M. Gooding, "Optimization of preparative hydrophobic interaction chromatographic purification methods", J. Chromatogr., 359 (1986) 331-337. (147)
- Gooding, K.M., "HPLC of proteins - a current look at the state of the technique", BioChromatogr., 1(1) (1986) 34-40. (160)
- Gooding, K.M. and F.E. Regnier, "Size exclusion chromatography", HPLC of Biological Macromolecules: Methods and Applications, Marcel Dekker, Inc. (1990) 47-75.. (325)
- Gooding, K.M. and F.E. Regnier, "Proteins", Chromatography, 5th edition part B, Heftman ed. (1991). (380)

- Gooding, K.M. and H.H. Freiser, "High-performance size-exclusion chromatography of proteins", HPLC of Peptides and Proteins, Mant and Hodges eds., (1991) 135-144. (366)
- Gooding, K.M. and M.N. Schmuck, "Ion selectivity in the high-performance cation-exchange chromatography of proteins", J. Chromatogr., 296 (1984) 321-328. (68)
- Gooding, K.M. and M.N. Schmuck, "Comparison of weak and strong high performance anion-exchange chromatography", J. Chromatogr., 327 (1985) 139-146. (98)
- Gooding, K.M. and M.N. Schmuck, "Building ruggedness into HPLC quality control procedures", Biotech., 11 (1991) 232-234. (357)
- Gooding, K.M. and M.N. Schmuck, "Comparative performance of silica-based adsorbents for ion-exchange and hydrophobic-interaction chromatography", HPLC of Proteins Peptides and Polynucleotides, Hearn ed., (1991) 177-197. (358)
- Gooding, K.M. and M.S. Schmuck, "Purification of trypsin and other basic proteins by high-performance cation-exchange chromatography", J. Chromatogr., 266 (1983) 633-642. (39)
- Gooding, K.M., K.C. Lu and F.E. Regnier, "HPLC of hemoglobins. 1. Determination of hemoglobin A2", J. Chromatogr., 164 (1979) 506-509. (3)
- Gould, M. and J.L. Stephano, "Peptides from sperm acrosomal protein that initiate egg development", Dev. Biol., 146 (1991) 509-518). (351)
- Gowan, L.K., J.F. Collawn and W.W. Fish, "Separation by HPLC of two types of subunit from horse spleen ferritin", J. Chromatogr., 264 (1983) 463-468. (59)
- Green, E.D., R.M. Brodbeck and J.U. Baenziger, "Lectin affinity HPLC: Interactions of N-glycanase-released oligosaccharides with leucoagglutinating phytohemagglutinin, concanavalin A, datura stramonium agglutinin, and vicia villosa agglutinin", Anal. Biochem., 167 (1987) 62-75. (230)
- Green, M. and K.H. Brackmann, "The application of HPLC for the resolution of proteins encoded by the human adenovirus type 2 cell transformation region", Anal. Biochem., 124 (1982) 209-216. (36)
- Greenhut, J., J. and F.B. Rudolph, "Preparative separations of nucleotides by high-performance ion-exchange liquid chromatography using a volatile buffer system", J. Chromatogr., 319 (1985) 461-467. (82)
- Greenstein, L.A., L.A. Gaynes, J.A. Romanus, L. Lee, M.M. Rechler and S.P. Nissley, "Purification of rat insulin-like growth factor II", Meth. Enzymol., 146 (1987) 259-269. (237)
- Griffiths, D.W., "The ratio of B to C hordeins in barley as estimated by HPLC", J. Sci. Food Agric., 38 (1987) 229-235. (200)
- Gruber, K.A., J.M. Whitaker and M. Morris, "Molecular weight separation of proteins and peptides with a new HPLC column", Anal. Biochem., 97 (1979) 176-183. (1)
- Grun, J.R. and R. Reinhardt, "Purification of ribosomal 30S proteins from the archaebacterium *sulfolobus acidocaldarius* by ion-exchange and discontinuous reversed-phased HPLC", J. Chromatogr., 397 (1987) 327-338. (250)
- Grun, J.R., B. Kossman and R. Reinhardt, "Discontinuous reversed-phase HPLC increases load capacity of analytical columns. Separation of ribosomal proteins from the archaebacterium *sulfolobus acidocaldarius*", Chromatographia, 25(3) (1988) 189-198. (248)

- Guenther, R.H., J. Cocuzza, H.D. Gopal and P.F. Agris, "Applications of HPLC to nucleic acid research", *Amer. Biotech. Lab.*, 5 (1987) 22-35. (215)
- Guo, D. and A. Horak, "Purification of the subunits of pea mitochondria F1-ATP-ase by HPLC", *J. Chromatogr.*, 52 (1990) 43-51. (339)
- Guo, D., C.T. Mant and R.S. Hodges, "Effects of ion-pairing reagents on prediction of peptide retention in reversed-phase HPLC", *J. Chromatogr.*, 386 (1987) 205-222. (159)
- Guo, D., C.T. Mant, A.K. Taneja and R.S. Hodges, "Prediction of peptide retention times in reversed-phase HPLC: correlation of observed and predicted peptide retention times and factors influencing the retention times of peptides", *J. Chromatogr.*, 359 (1986) 499-517 and 519-532. (145)
- Guo, D., C.T. Mant, A.K. Taneja, J.M.R. Parker and R.S. Hodges, "Prediction of peptide retention times in reversed phase HPLC: determination of retention coefficients of amino acid residues of model synthetic peptides", *J. Chromatogr.*, 359 (1986) 499-518. (143)
- Gurney, M.E., S.P. Heinrich, M.R. Lee and H-S. Yin, "Molecular cloning and expression of neuroleukin, a neurotrophic factor for spinal and sensory neurons", *Science*, 234 (1986) 566-574. (441)
- Hakam, A. and E. Kun, "HPLC of in vitro synthesized poly(ADP-Ribose) on ion-exchange columns, separation of oligomers of varying chain length and estimation of apparent branching", *J. Chromatogr.*, 330 (1985) 287-298. (136)
- Hakam, A. and E. Kun, "Studies on the structure of poly(ADP-Ribose) by HPLC. Separation of in vitro generated polymer chains, analysis of chain length, and branching", *ADP-Ribosylation of Proteins*, (1985) 37-40. (177)
- Hanash, S.M. and D.N. Shapiro, "Separation of human hemoglobins by ion-exchange HPLC", *Hemoglobin*, 5 (1981) 165-175. (20)
- Hanash, S.M., M. Kavadella, A. Amanulla, K. Scheller and K. Bunnell, "HPLC of hemoglobins: factors affecting resolution", *Advances in Hemoglobin Analysis*, ed. S.M. Hanash, G.J. Brewer and A.R. Liss, New York (1981) 53-67. (21)
- Handschumacher, R.E., M.W. Harding, J. Rica, R.D. Drugge and D.W. Speicher, "Cyclophilin: a specific cytosolic binding protein for cyclosporin A", *Science*, 226 (1984) 544-547. (278)
- Hanson, M. and K.K. Unger, "Evaluation of advanced silica packings, Part II: Application of non-porous silica particles in HPLC", *LC·GC International*, November (1996) 741-746. (492)
- Harbury, P.B., T. Zhang, P.S. Kim and T. Alber, "A switch between two-, three- and four-stranded coiled coils in GCN4 leucine zipper mutants", *Science*, 262 (1993) 1401-1406. (437)
- Harding, M.W., R.E. Handschumacher and D.W. Speicher, "Isolation and amino acid sequence of cyclophilin", *J. Biol. Chem.*, 261(18) (1986) 8547-8555.. (279)
- Harriman, R.W., D.M. Tieman and A.K. Handa, "Molecular cloning of tomato pectin methylesterase gene and its expression in Rutgers, ripening inhibitor, nonripening, and never ripe tomato fruits", *Plant Physiol.*, 97 (1990) 80-87. (436)
- Hayashida, S., K. Nakahara, K. Kuroda, T. Miyata and S. Iwanaga, "Structure of the raw-starch-affinity site on the aspergillus awamori var. kawachi glucoamylase I molecule", *Agric. Biol. Chem.*, 53(1) (1989) 135-141. (443)

- Hearn, M.T.W., M.I. Aguilar, C.T. Mant and R.S. Hodges, "HPLC of amino acids, peptides and proteins: Evaluation of the use of hydrophobicity coefficients for the prediction of peptide elution profiles", *J. Chromatogr.*, 438 (1988) 197-210. (416)
- Heinitz, M.L., E. Flanigan, R.C. Orolwski and F.E. Regnier, "Correlation of calcitonin structure with chromatographic retention in HPLC", *J. Chromatogr.*, 443 (1988) 229-246. (239)
- Heinitz, M.L., L. Kennedy, W. Kopaciewicz and F.E. Regnier, "Chromatography of proteins on hydrophobic interaction and ion-exchange chromatographic matrices: Mobile phase contributions to selectivity", *J. Chromatogr.*, 443 (1988) 173-182. (238)
- Henderson, L.E., J.F. Hewetson, R.F. Hopkins III, R.C. Sowder, R.H. Neubauer and H. Rabin, "A rapid, large scale purification procedure for gibbon interleukin-2", *J. Immun.*, 131 (2) (1983). (221)
- Herrera, R. and O.M. Rosen, "Autophosphorylation of the Insulin Receptor in vitro", *J. Biol. Chem.*, 261 (1986) 11980-11985. (262)
- Hiyama, J. and A.G.C. Renwick, "Separation of human glycoprotein hormones and their subunits by reversed phase liquid chromatography", *J. Chromatogr.*, 529 (1990) 33-41. (334)
- Hoagland, P.D., G. Konja and M.L. Fishman, "Component analysis of disaggregation of pectin during plate module ultrafiltration", *J. Food Sci.*, 58(3) (1993) 680-687. (447)
- Hodges, R.S. and C.T. Mant, "Standard chromatographic conditions for size exclusion, ion-exchange, reversed-phase and hydrophobic-interaction chromatography", *HPLC of Peptides and Proteins*, Mant and Hodges eds., (1991) 11-22. (363)
- Hodges, R.S., B.-Y. Zhu, N.E. Zhou, and C.T. Mant, "Reversed-phase liquid chromatography as a useful probe of hydrophobic interactions involved in protein folding and protein stability.", *J. Chromatogr. A*, 676 (1994) 3-15. (516)
- Hodges, R.S., J.M.R. Parker, C.T. Mant and R.R. Sharma, "Computer simulation of HPLC separations of peptide and protein digests for development of size exclusion, ion exchange and reversed-phase chromatographic methods", *J. Chromatogr.*, 458 (1988) 147-167. (271)
- Holder, C.L., S.W. Preece, S.C. Conway, Y.-M. Pu, D.R. Doerge, "Quantification of heterocyclic amine carcinogens in cooked meats using isotope dilution liquid chromatography-atmospheric pressure chemical ionization tandem mass spectrometry.", *Rapid Commun. Mass Spectrom.*, 11 (1997) 1667-1672. (525)
- Holmes, S.D. and R.G. Smith, "Ion exchange, chromatofocusing and size exclusion HPLC of the human uterine progesterone receptor", *J. Steroid Biochem.*, 23(6A) (1985) 939-942. (151)
- Holmes, W.E. et al., "Identification of heregulin, a specific activator of p185(erbB2)", *Science*, 256 (1992) 1205-1210. (423)
- Hoppe, J., H.A. Weich and W. Eichner, "Preparation of Biologically Active Platelet-Derived Growth Factor Type BB from a Fusion Protein Expressed in Escherichia Coli", *Biochem.*, 28 (1989) 2956-2960. (285)
- Hua, J., J. Berger, Y.E. Pan, J.D. Hulmes and S. Udenfriend, "Partial sequencing of human adult, human fetal, and bovine phosphatases: Comparison with the human placental and liver isozymes", *Proc. Natl. Acad. Sci.*, 83 (1986) 2368-2372. (165)
- Huang, J.X. and G. Guiochon, "Application of preparative HPLC to peptides and proteins", *BioChromatogr.*, 3(4) (1988) 140-148. (255)

- Huebner, F.R. and J.A. Bietz, "Detection of quality differences among wheats by HPLC", *J. Chromatogr.*, 327 (1985) 333-342. (97)
- Huebner, F.R. and J.A. Bietz, "Assessment of the potential breadmaking quality of hard wheats by reversed-phase HPLC of gliadins", *J. Cereal Sci.*, 4 (1986) 379-388. (182)
- Huebner, F.R. and J.A. Bietz, "Improvements in wheat protein analysis and quality prediction by reversed-phase high-performance liquid chromatography", *Cereal Chem.*, 64(1) (1987) 15-20. (197)
- Huebner, R. and J.A. Bietz, "Separation of wheat gliadins by preparative reversed-phase HPLC", *Cereal Chem.*, 61(5) (1984) 449-454. (100)
- Huisman, T.H.J., "Separation of hemoglobins and hemoglobin chains by HPLC", *J. Chromatogr.*, 418 (1987) 277-304. (396)
- Huisman, T.H.J. and J.B. Wilson, "The use of HPLC procedures in the study of human hemoglobin variants", *Protides Biol. Fluids*, 32 (1985) 1029-1036. (118)
- Huisman, T.H.J., J.B. Henson and J.B. Wilson, "A new HPLC procedure to quantitate hemoglobin A1C and other minor hemoglobins", *J. Lab. Clin. Med.*, 102(2) (1983) 163-73. (48)
- Huisman, T.H.J., M.B. Gardiner and J.B. Wilson, "Experiences with the quantitation of human hemoglobin types by high pressure liquid chromatography", *Advances in Hemoglobin Analysis*, S.M. Hanash, G.J. Brewer and A.R. Liss, eds., New York (1981).. (17)
- Hutchens, T.W., H.E. Dunaway and P.K. Besch, "High performance chromatofocusing of steroid receptor proteins in the presence and absence of steroid: An investigation of steroid-dependent alterations in surface charge heterogeneity", *J. Chromatogr.*, 327 (1985) 247-259. (112)
- Hutchens, T.W., R.D. Wiehle, N.A. Shahabi and J.L. Wittliff, "Rapid analysis of estrogen receptor heterogeneity by chromatofocusing with HPLC", *J. Chromatogr.*, 266 (1983) 115-128. (43)
- Hutchens, T.W., W.E. Gibbons and P.K. Besch, "High-performance chromatofocusing and size exclusion chromatography: separation of human uterine estrogen-binding proteins", *J. Chromatogr.*, 297 (1984) 283-300. (75)
- Hyder, S.H. and J.L. Wittliff, "Detection of two high molecular weight hydrophobic forms of the human estrogen receptor", *J. Steroid Biochem.*, 33 (1990) 965-970. (345)
- Hyder, S.M. and J.L. Wittliff, "High performance hydrophobic interaction chromatography of a labile regulatory protein: the estrogen receptor", *BioChromatogr.*, 2(3) (1987) 121-130. (277)
- Hyder, S.M. and J.L. Wittliff, "Separation of Two Molecular Forms of Human Estrogen Receptor by Hydrophobic Interaction Chromatography; Gradient Optimization and Tissue Comparison", *J. Chromatogr.*, 476 (1989) 455-466. (289)
- Hyder, S.M., A. Baldi, M. Crespi and J.L. Wittliff, "Rapid purification of topoisomerase I from human breast cancer cells by HPLC", *J. Chromatogr.*, 359 (1986) 433-447. (153)
- Hyder, S.M., F.D. Kohrs and J.L. Wittliff, "Progesterin receptors from tissues either exhibiting or lacking estrogen response mechanisms: Comparison of conventional and HPLC methodology", *J. Chromatogr.*, 397 (1987) 269-278. (205)
- Hyder, S.M., J. Dong, P. Folk and J.L. Wittliff, "High-performance hydrophobic interaction chromatography of a labile regulatory protein", *HPLC of Peptides and Proteins*, Mant and Hodges eds., (1991) 451-475. (376)

- Hyder, S.M., N.A. Shahabi and J.L. Wittliff, "Microanalysis of estrogen receptors from human uteri by multidimensional HPLC", *BioChromatogr.*, 3(5) (1988) 216-224. (256)
- Hyder, S.M., R.D. Wiehle and J.L. Wittliff, "Alterations in estrogen receptor isoforms in the mammary gland and uterus of the rat during differentiation", *Comp. Biochem. Physiol.*, 91B(3) (1988) 517-523. (242)
- Hyder, S.M., R.D. Wiehle, D.W. Brandt and J.L. Wittliff, "High performance hydrophobic interaction chromatography of steroid hormone receptors", *J. Chromatogr.*, 327 (1985) 237-246. (109)
- Ibrahim, E.A., M.E. Abdel-Hamid, M.A. Abuirjeie and A.M. Hurani, "Rapid high performance liquid chromatographic determination of ampicillin in human urine", *Anal. Lett.*, 21(3) (1988) 423-434. (257)
- Ikegawa, S., S. Tanase, S. Araki and Y. Morino, "Quantitative detection of a variant prealbumin associated with type 1 familial amyloidotic polyneuropathy (Japanese type) by HPLC", *Clin. Chim. Acta*, 167 (1987) 165-172. (222)
- Ilondo, M.M., I. Dehart and P. De Meyts, "A rapid method for the preparation of 125I-labelled human growth hormone for receptor studies, using reverse-phase HPLC", *Biochem. Biophys. Res. Commun.*, 134(2) (1986) 671-677. (158)
- Ingraham, R.H., "Hydrophobic interaction chromatography of proteins", *HPLC of Peptides and Proteins*, Mant and Hodges eds., (1991) 425-435. (375)
- Inoue, H., "Application of HPLC to Bloodstain Examinations", *Nagoya Med. J.*, 36 (1991) 1-22. (384)
- Inoue, H., F. Takabe, O. Takenaka, M. Iwasa and Y. Maeno, "Species identification of blood and bloodstains by HPLC", *Int. J. Legal Med.*, 104 (1990) 9-12. (383)
- Inoue, H., F. Takabe, Y. Maeno and M. Iwasa, "Identification of fetal hemoglobin in blood stains by HPLC", *Z Rechtsmed.*, 102 (1989) 437-444. (382)
- Inoue, H., Y. Maeno, M. Iwasa, H. Koyama, Y. Sato, R. Matoba, "Sensitive detection of human globin chains by microbore high-performance liquid chromatography and its forensic application", *J. Chromatogr. B*, 688 (1998) 221-227. (535)
- Ishioka, N., N. Takahashi and F.W. Putnam, "Analysis of the mechanism, rate, and sites of proteolytic cleavage of human immunoglobulin D by HPLC", *Proc. Natl. Acad. Sci.*, 84 (1987) 61-65. (189)
- Isobe, T., N. Takahashi and F.W. Putnam, "Protein and peptide mapping by two-dimensional HPLC", *HPLC of Peptides and Proteins*, Mant and Hodges eds., (1991) 835-845. (379)
- Issaeva, T., Kourganov, A., Unger, K., "Super-High-Speed Liquid Chromatography of Proteins and Peptides on Non-Porous MICRA<sup>®</sup> NPS<sup>®</sup> -RP Packings", *J. Chromatogr. A*, 846, 13-23 (1999)(541)
- Jahngen, E.G.E. and E.F. Rossomando, "Adenylosuccinate synthetase from *Dictyostelium discoideum*: effects of hadacidin analogs and binding of (14C) hadacidin", *Arch. Biochem. Biophys.*, 229(1) (1984) 145-154. (67)
- Janis, L.J. and F.E. Regnier, "Immunological-chromatographic analysis", *J. Chromatogr.*, 444 (1988) 1-11. (249)
- Janis, L.J., A. Grott, F.E. Regnier and S.J. Smith-Gill, "Immunological-Chromatographic Analysis of Lysozyme Variants", *J. Chromatogr.*, 476 (1989) 235-244. (287)
- Jarrett, H.W., "High-pressure affinity chromatography of calmodulin on a phenothiazine-silica", *J. Chromatogr.*, 363 (1986) 456-461. (438)

- Jenke, D.R., "Liquid chromatographic estimation of octanol/water partition coefficients with a high efficiency, nonporous, ultrasmall particle size reverse phase stationary phase", *J. Liq. Chromatogr. & Rel. Technol.*, 19(15) (1996) 2227-2245. (494)
- Jenke, D.R., "Practical examination of a nonporous silica stationary phase for reversed-phase fast LC applications", *J. Chromatogr. Sci.*, 34 (1996) 362-367. (495)
- Jimenez, M.A., M. Rico, J.L. Nieto and A.M. Gutierrez, "Separation and identification of ribonuclease S-peptide methyl esters by ion-exchange HPLC and IH nuclear magnetic resonance spectroscopy", *J. Chromatogr.*, 360 (1986) 288-292. (172)
- Johnson, C.T., W.F. Bosron, C.A. Harden and T.K. Li, "Purification of human liver aldehyde dehydrogenase by HPLC and identification of isoenzymes by immunoblotting", *Alcoholism, Clinical and Experimental Research*, (1) 11(1987) 171-182. (213)
- Johnson, R.D., "HPLC of antigenic proteins and vaccines", *HPLC Biotech.*, (1990) 170-180. (353)
- Jones, B.L. and G.L. Lookhart, "HPLC separation of peptides for sequencing studies", *Cereal Chem.*, 62(2) (1985) 89-96. (124)
- Jones, B.L., G.L. Lookhart and D.E. Johnson, "Improved separation and toxicity analysis methods for purothionins", *Cereal Chem.*, 62(5) (1985) 327-331. (193)
- Josic, D., W. Hofmann and W. Reutter, "Ion-exchange and hydrophobic-interaction HPLC of Proteins - a practical study", *J. Chromatogr.*, 371 (1986) 43-54. (169)
- Josic, Dj., "Anionenaustausch-HPLC von proteinen", *Labor Praxis*, (1986) 202-212 (German). (131)
- Josic, Dj., W. Schuett, R. Neumeier and W. Reutter, "Purification of liver and hepatoma membrane proteins by HPLC", *FEBS Lett.*, 185(1) (1985) 182-186. (129)
- Kadoya, T., T. Isobe, M. Edihara, T. Ogawa, M. Sumita, H. Kawahara, A. Kobayishi, T. Ishikawa and T. Okuyama, "A new spherical hydroxyapatite for HPLC of proteins", *J. Liq. Chromatogr.*, 9 (1986) 3543-3557. (268)
- Kaltashov, I., X. Yu and C. Fenselau, "Simple interface for microbore LC and electrospray ionization mass spectrometry and analysis of melphalan-alkylation sites in metallothionein", *J. Pharm. & Biomed. Anal.*, 13(3) (1995) 279-284. (472)
- Katasho, I., S. Tahara and M. Hayashi, "Improved HPLC method for the determination of creatine kinase isoenzyme activity in the human serum", *Anal. Sci.*, 1 (1985) 301-302. (413)
- Kawakatsu, M. and K.M. Gooding, "Factors influencing fast liquid chromatography of proteins and peptides with microbore technology", *J. Liq. Chromatogr.*, 16(1) (1993) 21-32. (395)
- Kawakatsu, M., H. Kotaniguchi, H. Freiser and K. Gooding, "The effects of pore diameter and ligand chain length on fast liquid chromatography of proteins and peptides", *J. Liq. Chromatogr.*, 18(4) (1995) 633-647. (461)
- Kerlavage, A.R. and B.S. Cooperman, "Reconstitution of Escherichia coli ribosomes containing puromycin-modified S14; Functional effects of the photoaffinity labeling of a protein essential for tRNA binding", *Biochem.*, 25 (1986) 8002-8010. (311)
- Kerlavage, A.R., C. Weitzmann, M. Cannon, T. Hasan, K.M. Giangiacomo, J. Smith and B.S. Cooperman, "Utilization of fHPLC in studies of ribosomes and their antibiotic inhibitors", *BioTechniques*, Jan/Feb (1985) 26-36. (103)

- Kerlavage, A.R., C.J. Weitzmann and B.S. Cooperman, "Application of HPLC to the reconstitution of ribosomal subunits", *J. Chromatogr.*, 317 (1984) 201-212. (74)
- Kerlavage, A.R., C.J. Weitzmann, T. Hasan and B.S. Cooperman, "Reversed-phase HPLC of Escherichia coli ribosomal proteins: characteristics of the separation of a complex protein mixture", *J. Chromatogr.*, 266 (1983) 225-237. (41)
- Kerlavage, A.R., T. Hasan and B.S. Cooperman, "Reversed-phase HPLC of Escherichia coli ribosomal proteins: Standardization of 70S, 50S and 30S protein chromatograms. Functional activity of purified proteins", *J. Biol. Chem.*, 258 (10) (1983) 6313-6318. (42)
- Kessler, M.J., "Quantitation of radiolabeled compounds eluting from the HPLC system", *J. Chromatogr. Sci.*, 20 (1982) 523-527. (45)
- Khan, K., L. Huckle and B.L. Jones, "Inheritance of Gluten Protein Components of a High-Protein Hard Red Spring Wheat Line Derived from *Triticum turgidum* var. *Dicoccoides*-Semipreparative RP-HPLC, Gel Electrophoresis, and Amino Acid Composition Studies", *Cereal Chem.*, 69(3) (1992) 288-295. (387)
- Kim, H.K., C.C. Lin, D. Parker, J. Veals, J. Lim, P. Likhari, P. Statkevich, A. Marco, A.A. Nomeir, "High-performance liquid-chromatographic determination and stability of 5-(3-methyltriazin-1-yl)imidazole-4-carboxamide, the biologically active product of the anti-tumour agent temozolomide, in human plasma.", *J. Chromatogr. B*, 703 (1997) 225-233. (523)
- Kohr, W.J., R. Keck and R.N. Harkins, "Characterization of intact and trypsin-digested biosynthetic human growth hormone by HPLC", *Anal. Biochem.*, 122 (1982) 348-359. (28)
- Kopaciewicz, W. and F.E. Regnier, "Nonideal size-exclusion chromatography of proteins: Effects of pH at low ionic strength", *Anal. Biochem.*, 126 (1982) 8-16. (44)
- Kopke-Secundo, E., I. Molnar and C. Schnarrenberger, "Isolation and characterization of the cytosolic and chloroplastic 3-phosphoglycerate kinase from spinach leaves", *Plant Physiol.*, 93 (1990) 40-47. (434)
- Korkolainen, T. and E. Nissinen, "Purification of Rat Liver Soluble Catechol-O-methyltransferase by HPLC", *Biomed. Chromatogr.*, 3(3) (1989) 127-130. (302)
- Kossmann, B., J.R. Grun and R. Reinhardt, "Separation of 50S ribosomal proteins from *Sulfolobus acidocaldarius* by discontinuous reversed-phase chromatography", *Chromatographia*, 25(3) (1988) 215-218. (247)
- Kotaniguchi, H. and M. Kawakatsu, "Optimization of instrumentation in gradient micropreparative HPLC", *Intl. Lab.*, (Asian/Australian Edition), May/June (1988). (245)
- Koutsilieris, M., F. Grondin, F. Radwan, F. Bouthillier, M. Carmel, M. Elhilali and J.G. Lehoux, "Characterization of androgen receptor by HPLC and sucrose density gradient ultracentrifugation in normal and malignant human prostatic tissues.", *Anticancer Res.*, 9 (1989) 731-736. (342)
- Koutsilieris, M., F. Grondin, M. Carmel, M. Elhilali and J.G. Lehoux, "Sucrose Density Gradient and Exchange HPLC Characteristics of Rat Prostate Androgen Receptor Forms", *In Vivo*, 3 (1989) 11-16. (300)
- Kruger, J.E. and B.A. Marchylo, "Selection of column and operating conditions for reversed-phase HPLC of proteins in Canadian wheat", *Can. J. Plant Sci.*, 65 (1985) 285-298. (425)

- Kulkarni, A.P., J.L. Nelson and L.L. Radulovic, "Partial purification and some biochemical properties of neonatal rat cutaneous glutathione S-transferases", *Comp. Biochem. Physiol.*, 87B (1987) 1005-1009. (224)
- Kurganov, A., "Superspeed high performance liquid chromatography of small and large molecules", *Chromatography International, GIT Special* (1996) 73-76. (496)
- Kutlar, A., F. Kutlar, J. Wilson, M. Headlee and T. Huisman, "Quantitation of hemoglobin components by high-performance cation-exchange liquid chromatography: its use in diagnosis and in the assessment of cellular distribution of hemoglobin variants", *Am. J. Hematol.*, 17(1) (1984) 39-53. (80)
- Lamotte, S. and H. Engelhardt, "Requirements to HPLC-equipment for the use of new stationary phases based on MICRA NPS 1.5mm silica particles", Presentation, Analytica, Munich, Germany, April 23-26 (1996). (497)
- Lau, Y.M., A.K. Taneja and R.S. Hodges, "Effects of HPLC solvents and hydrophobic matrices on the secondary and quaternary structure of a model protein: reversed-phase and size-exclusion HPLC", *J. Chromatogr.*, 317 (1984) 129-140. (71)
- Lecchi, Paolo and Fred P. Abramson, "Size exclusion chromatography-chemical reaction interface mass spectrometry: "A perfect match"", *Anal. Chem.* 71 (14) (1999) 2951-2955. (533)
- Lee, D.W. and B.Y. Cho, "A study of the retention behavior of proteins in HPLC(I): the effect of solvent and temperature on retention behavior of proteins in reversed-phase chromatography", *Bull. Korean Chem. Soc.*, 14(4) (1993) 510-514. (450)
- Lee, D.W. and B.Y. Cho, "A study of the retention behavior of Proteins in HPLC(II): The effect of salt and temperature on retention behavior of proteins in hydrophobic interaction chromatography", *Bull. Korean Chem. Soc.*, 14(4) (1993) 515-519. (451)
- Lee, D.W. and B.Y. Cho, "Investigation of the retention behavior and structural change of proteins in reversed phase and hydrophobic interaction chromatography", *J. Liq. Chromatogr.*, 17(12) (1994) 2541-2558. (478)
- Lee, F.S., D.S. Auld and B.L. Vallee, "Tryptophan fluorescence as a probe of placental inhibitor binding to angiogenin", *Biochem.*, 28 (1989) 219-224. (308)
- Lee, F.S., R. Shapiro and B.L. Vallee, "Tight-Binding Inhibition of Angiogenin and Ribonuclease A by Placental Ribonuclease Inhibitor", *Biochem.*, 28 (1989) 225-230. (309)
- Lei, M.G. and G.R. Reeck, "Combined use of Trypsin-agarose affinity chromatography and reversed-phase HPLC for the purification of single-chain protease inhibitor from corn seeds", *J. Chromatogr.*, 363 (1986) 315-321. (174)
- Leibovich, S.J. and P.J. Polverini, "Partial purification of macrophage-derived growth factor (MDGF) and macrophage-derived angiogenic activity (MDAA) by gel filtration HPLC", *Br. J. Rheumatol.*, 24(1) (1985) 197-202. (448)
- Lewko, W.M. and J.L. Wittliff, "Estrogen and progestin receptor assays in cancer: status and application", *Lab. Manag.*, July (1985) 35-50. (91)
- Lherisson, C., A. Estival, L. Pradayrol and N. Vaysse, "HPLC analysis of somatostatin peptides secreted by a rat pancreatic line (RINT3): Stimulation studies", *Horm. Res.*, 32 (1989) 67-70. (319)
- Liburdy, R.P., A.W. Rowe and P.F. Vanek, Jr., "Microwaves and the Cell Membrane", *Radiation Res.*, 114 (1988) 500-514. (344)

- Lidner, W. and M. Lammerhofer, "Quinine and quinidine carbamate based anion exchanger type chiral stationary phases", *Chromatography International, GIT Special* (1996) 16-20. (498)
- Lin, L-F H., D. Mismar, J.D. Lile, L.G. Armes, E.T. Butler III, J.L. Vannice and F. Collins, "Purification, cloning, and expression of ciliary neurotrophic factor (CNTF)", *Science*, 246 (1989) 1023-1025. (419)
- Lindner, H., B. Sarg, C. Meraner, W. Helliger, "Separation of acetylated core histones by hydrophilic-interaction liquid chromatography", *J. Chromatogr. A*, 743 (1996) 137-144. (521)
- Liu, J., J. T. Stewart and E. Ameyibor, "Strategies for the High-pressure Liquid Chromatography Separation of Chiral Drugs in Compendial Monographs", *Pharmacopeial Forum*, V23-2, March-April (1997) 3908-3915. (499)
- Lo, C-H and S-H. Chiou, "Simple fractionation of phospholipase A2 analogues from snake venom by HPLC", *J. Chromatogr.*, 530 (1990) 129-136. (336)
- Loayza, S.L., M. Trikha, F.S. Markland, P. Riquelme and J. Kuo, "Resolution of isoforms of natural and recombinant fibrolase, the fibrinolytic enzyme from *Agkistrodon contortrix contortrix* snake venom, and comparison of their EDTA sensitivities.", *J. Chromatogr. B*, 662 (1994) 227-243. (457)
- Lombet, A., M. Fosset, G. Romey, Y. Jacomet and M. Lazdunski, "Identification in mammalian brain of an endogenous substance with Na<sup>+</sup> channel blocking activities similar to those of tetrodotoxin", *Brain Res.* 417 (1987) 327-334. (427)
- Lonsdorfer, M., N.C. Clements, Jr. and J.L. Wittliff, "Use of HPLC in the evaluation of the synthesis and binding of fluorescein-linked steroids to estrogen receptors", *J. Chromatogr.*, 266 (1983) 129-139. (52)
- Lookhart, G.L., "Identification of oat cultivars by combining polyacrylamide gel electrophoresis and reversed-phase HPLC", *Cereal Chem.*, 62(5) (1985) 345-350. (139)
- Lookhart, G.L. and L.D. Albers, "Correlations between reversed phase HPLC and acid-and-sodium dodecyl sulfate-polyacrylamide gel electrophoresis", *Cer. Chem.*, 65(3) (1988) 222-227. (261)
- Lookhart, G.L. and Y. Pomeranz, "Characterization of oat species by polyacrylamide gel electrophoresis and HPLC of their prolamin proteins", *Cereal Chem.*, 62(3) (1985) 162-166. (132)
- Lookhart, G.L. and Y. Pomeranz, "Gliadin HPLC and polyacrylamide gel electrophoresis patterns of wheats grown with fertilizer treatments in the U.S. and Australia on sulfur-deficient soils", *Cereal Chem.*, 62(3) (1985) 227-229. (133)
- Lookhart, G.L., L.D. Albers and J.A. Bietz, "Comparison of polyacrylamide gel electrophoresis and HPLC analyses of gliadin polymorphism in the wheat cultivar newton", *Cereal Chem.*, 63(6) (1986) 497-500.. (190)
- Lookhart, G.L., L.D. Albers, Y. Pomeranz and B.D. Webb, "Identification of U.S. rice cultivars by high performance liquid chromatography", *Cereal Chem.*, 64(4) (1987) 199-206. (225)
- Lozier, J., N. Takahashi and F.W. Putnam, "Purification of cyanogen bromide fragments from  $\beta$ -2-glycoprotein I by HPLC", *J. Chromatogr.*, 266 (1983) 545-554. (56)
- Lu, K.C. , K.M. Gooding and F.E. Regnier, "Rapid analysis of bilirubin in neonatal serum 1. The binding of bilirubin to albumin", *Clin. Chem.*, 25 (1979) 1608-1612. (2)

- Lucas, R.C., J.A. Weatherbee and M.L.S. Tsang, "Porcine Platelet Transforming Growth Factor-B and its purification by Gel Filtration and Reversed-Phase HPLC", *PCT Intl. Appl.*, WO 88 05, 787 08/11/1988. (292)
- MacNair, J.E., K.C. Lewis and J.W. Jorgenson, "Ultrahigh-Pressure Reversed-Phase Liquid Chromatography in Packed Capillary Columns", *Analytical Chemistry*, 69(6) (1997) 983-989. (500)
- Magnusson, P., A. Hager and L. Larsson, "Serum osteocalcin and bone and liver alkaline phosphatase isoforms in healthy children and adolescents", *Pediatric Res.*, 38(6) (1995) 955-961. (465)
- Magnusson, P., O. Lofman and L. Larsson, "Determination of alkaline phosphatase isoenzymes in serum by HPLC with post-column reaction detection", *J. Chromatogr.*, 576 (1992) 79-86. (389)
- Magnusson, P., O. Lofman and L. Larsson, "Methodological aspects on separation and reaction conditions of bone and liver alkaline phosphatase isoform analysis by HPLC", *Anal. Biochem.*, 211 (1993) 156-163. (394)
- Magnusson, P., O. Lofman, G. Toss and L. Larsson, "Determination of bone alkaline phosphatase isoforms in serum by a new high-performance liquid chromatography assay in patients with metabolic bone disease", *Acta Orthop. Scand.*, 66 (1995) 202-204. (466)
- Magnusson, Per, Degerblad, Marie, Sääf, Larsson, Lasse and Thorén, Marja, "Different Responses of Bone Alkaline Phosphatase Isoforms During Recombinant Insulin-like Growth Factor-I (IGF-I) and During Growth Hormone Therapy in Adults with Growth Hormone Deficiency", *Journal of Bone and Mineral Research*, Volume 12, Number 2 (1997) (543)
- Magnusson, Per, Larsson, Lasse, Englund, Gunnar, Larsson, Brita, Strang, Peter and Selin-Sjögren, Lena, "Differences of Bone Alkaline Phosphatase Isoforms in Metastatic Bone Disease and Discrepant Effects of Clodronate on Different Skeletal Sites Indicated by the Location of Pain", *Clinical Chemistry* 44:8, 1621-1628 (1998) (544)
- Magnusson, Per, Larsson, Lasse, Magnusson, Martin, Davie, Michael W.J. and Sharp, Christopher A., "Isoforms of Bone Alkaline Phosphatase: Characterization and Origin in Human Trabecular and Cortical Bone", *Journal of Bone and Mineral Research*, Volume 14, Number 11 (1999) (546)
- Magnusson, P., Larsson, L., Magnusson, M., Davie, M.W.J., Sharp, C.A., "Isoforms of Bone Alkaline Phosphatase: Comparison between HPLC and Two Immunoassays in Patients with Severe Renal Insufficiency", *Journal of Bone and Mineral Research* 1999; 14 (Suppl. 1):S422 (550)
- Magnusson, P. and Farley, J.R., "Bone Alkaline Phosphatase Isoforms: Separation, Identification and Purification", *The 28<sup>th</sup> Meeting of the International Society for Oncodevelopmental Biology and Medicine (ISOBM), Munich, Germany, September 8-13,2000, Tumor Biology* 2000; 21(Suppl. 1):87 (548)
- Magnusson, Per, Degerblad, Marie, Saaf, Maria, Larsson, Lasse and Thoren, Marja, "Bone Alkaline Phosphatase During Short-Term Treatment with Insulin-like Growth Factor I and Growth Hormone in Growth Hormone-Deficient Adults", *Journal of Bone and Mineral Research*, Volume 13, Number 4, 1998. (551)
- Mahieu, J.P., B. Sebillé, M. Gosselet, M.C. Garel and Y. Beuzard, "Study of protein reactivity with thiol reagents by anion-exchange HPLC", *J. Chromatogr.*, 359 (1986) 461-474. (148)
- Mahoney, W.C., "Isolation of denatured proteins and peptides by HPLC. Effect of different perfluorinated acids, column length and large pore supports", *Biochim. Biophys. Acta*, 704 (1982) 284-289. (27)

- Malliaros, D.P., M.J. DeBenedetto, P.M. Guy, T.P. Tougas and E.G.E. Jahngen, "LC-EC determination of nucleotides and nucleic acids: application to enzyme assays and the analysis of DNA fragments", *Anal. Biochem.*, 169 (1988) 121-131. (254)
- Mandal, K., B. Chakrabarti, J. Thomson and R.J. Siezen, "Structure and stability of gamma-crystallins", *J. Biol. Chem.*, 262 (17) (1987) 8096-8102. (226)
- Mant, C.T. and R.S. Hodges, "A general method for the separation of cyanogen bromide digests of proteins by HPLC: rabbit skeletal troponin I", *J. Chromatogr.*, 326 (1985) 349-356. (95)
- Mant, C.T. and R.S. Hodges, "Separation of peptides by strong cation-exchange HPLC", *J. Chromatogr.*, 327 (1985) 147-155. (96)
- Mant, C.T. and R.S. Hodges, "Requirement for peptide standards in reversed-phase HPLC", *LC Magazine* 4(3) (1986) 250-254. (126)
- Mant, C.T. and R.S. Hodges, "On-line derivatization of silica supports for regeneration and preparation of reversed phase columns", *J. Chromatogr.*, 409 (1987) 155-173. (236)
- Mant, C.T. and R.S. Hodges, "Optimization of Peptide Separations in HPLC", *J. Liq. Chromatogr.*, 12(1&2) (1989) 139-172. (296)
- Mant, C.T. and R.S. Hodges, "HPLC of peptides", *HPLC of Biological Macromolecules: Methods and Applications*, Marcel Dekker, Inc. (1990) 301-332.. (327)
- Mant, C.T. and R.S. Hodges, "Optimization and prediction of peptide retention behavior in reversed-phase chromatography", *HPLC of Proteins Peptides and Polynucleotides*, Hearn ed., (1991) 277-305. (359)
- Mant, C.T. and R.S. Hodges, "On-line derivatization of silica supports for regeneration of reversed-phase columns", *HPLC of Peptides and Proteins*, Mant and Hodges eds., (1991) 57-65. (364)
- Mant, C.T. and R.S. Hodges, "Requirement for peptide standards to monitor ideal and non-ideal behavior in size-exclusion chromatography", *HPLC of Peptides and Proteins*, Mant and Hodges eds., (1991) 125-134. (365)
- Mant, C.T. and R.S. Hodges, "The use of peptide standards for monitoring ideal and non-ideal behavior in cation-exchange chromatography", *HPLC of Peptides and Proteins*, Mant and Hodges eds., (1991) 171-185. (367)
- Mant, C.T. and R.S. Hodges, "Requirement for peptide standards to monitor column performance and the effect of column dimensions, organic modifiers, and the temperature in reversed-phase chromatography", *HPLC of Peptides and Proteins*, Mant and Hodges eds., (1991) 289-295. (372)
- Mant, C.T. and R.S. Hodges, "The effects of anionic ion-pairing reagents on peptide retention in reversed-phase chromatography", *HPLC of Peptides and Proteins*, Mant and Hodges eds., (1991) 327-341. (374)
- Mant, C.T., J.M.R. Parker and R.S. Hodges, "On-line derivatization to restore reversed-phase column performance in peptide standards", *LC Magazine*, 10 (1986) 1004-1009. (163)
- Mant, C.T., J.M.R. Parker and R.S. Hodges, "Size exclusion HPLC of peptides: requirement for peptide standards to monitor column performance and non-ideal behavior", *J. Chromatogr.*, 397 (1987) 99-112. (178)

- Mant, C.T., N.E. Zhou and R.S. Hodges, "Correlation of Protein Retention Time in Reversed-Phase Chromatography with Polypeptide Chain Length and Hydrophobicity", *J. Chromatogr.*, 476 (1989) 363-375. (288)
- Mant, C.T., T.W.L. Burke and R.S. Hodges, "A rapid, simple approach to predicting the effects of varying run parameters on reversed-phase gradient elution profiles of peptides", *LCGC* 12(5) (1994) 396-404.. (411)
- Mant, C.T., T.W.L. Burke, J.A. Black and R.S. Hodges, "Effect of peptide chain length on peptide retention behaviour in reversed-phase chromatography", *J. Chromatogr.*, 458 (1988) 193-205. (272)
- Mant, C.T., T.W.L. Burke, N.E. Zhou, J.M.R. Parker and R.S. Hodges, "Reversed-phase chromatographic method development for peptide separations using the computer simulation program Pro-Digest-LC", *J. Chromatogr.*, 485 (1990) 365-382. (314)
- Marchylo, B.A. and J.E. Kruger, "Identification of Canadian barley cultivars by reversed-phase HPLC", *Cereal Chem.*, 61(4) (1984) 195-301. (81)
- Marvin, K.W., P. Yau and E.M. Bradbury, "Isolation and characterization of acetylated Histones H3 and H4 and their assembly into nucleosomes", *J. Biol. Chem.*, 265(32) 19839-19847 (1990). (408)
- Mawhinney, T.P., E. Adelstein, D.A. Morris, A.M. Mawhinney and G.J. Barbero, "Structure determination of five sulfated oligosaccharides derived from tracheobronchial mucas glycoproteins", *J. Biol. Chem.*, 262 (7) (1987) 2294-3001. (202)
- Mazaroff, I. and F.E. Regnier, "An economic analysis of performance in preparative chromatography of proteins", *J. Liq. Chromatogr.*, 9(12) (1986) 2563-2583. (186)
- Mazaroff, I. and F.E. Regnier, "Phase ratio determination in an ion-exchange column having pores partially accessible to proteins", *J. Chromatogr.*, 442 (1988) 15-28. (234)
- McCormick, R.J., G.R. Reeck and D.H. Kropf, "Separation and identification of porcine sarcoplasmic proteins by reversed-phase HPLC and polyacrylamide gel electrophoresis", *J. Agric. Food Chem.*, 36(3) (1988) 1193-1196. (259)
- McInnes, Campbell, Jianjun Wang, Ala-Eddin Al Moustafa, Cedric Yansouni, Maureen O'connor-Mccourt, Brian D Sykes, "Structure-based minimization of transforming growth factor-alpha (TGF-alpha) through NMR analysis of the receptor-bound ligand: Design, solution structure, and activity of TGF-alpha 8-50.", *J. Biological Chemistry* 273 (42) (1998) 27357-27363. (529)
- McMahon, J.B. and P.T. Iype, "An improved method for the purification of hepatic proliferation inhibitor by anion-exchange HPLC", *J. Liq. Chromatogr.*, 5(4) (1982) 751-756. (25)
- Meier, P., H. Windemann and E. Baumgartner, "Aufrennung von gesamtgliadin aus unterschiedlich hitzebelasteten weizenmehlen mittels phasenumkehr-hochdruckflussig-chromatographie", *Z. Lebensm Unters Forsch*, 180 (1985) 467-473 (German). (130)
- Melander, W.R., D. Corradini and C. Horváth, "Salt mediated retention of proteins in hydrophobic interaction chromatography: application of solvophobic theory", *J. Chromatogr.*, 317 (1984) 67-85. (78)
- Menkovska, M., G.L. Lookhart and Y. Pomeranz, "Changes in the gliadin fraction(s) during breadmaking: Isolation and characterization by HPLC and polyacrylamide gel electrophoresis", *Cer. Chem.*, 64(5) (1987) 311-314. (228)
- Merrill, B.M., M.B. LoPresti, K.L. Stone and K.R. Williams, "High pressure liquid chromatography purification of UP1 and UP2, two related single-stranded nucleic acid-binding gproteins from calf thymus", *J. Biol. Chem.*, 216(2) (1986) 878-883. (149)

- Milby, K.H., S.V. Ho and J.M.S. Henis, "Ion-exchange chromatography of proteins: The effect of neutral polymers in the mobile phase", *J. Chromatogr.*, 482 (1989) 133-144. (417)
- Mina, M. and E.F. Rossomando, "Assay of ATP-Sulfurylase activity from rat liver by HPLC", *J. Chromatogr.*, 433 (1988) 63-72. (440)
- Moore, W. and L. Taylor, "Analytical inverse supercritical fluid extraction of polar pharmaceutical compounds from cream and ointment matrices", *J. Pharm. & Biomed. Anal.*, 12(10) (1994) 1227-1232. (473)
- Morgan, W.T., "The histidine-rich glycoprotein of serum has a domain rich in histidine, proline, and glycine that binds heme and metals", *Biochem.*, 24 (1985) 1496-1501. (111)
- Murphy, R., J.B. Furness and M. Costa, "Measurement and chromatographic characterization of vasoactive intestinal peptide from guinea-pig enteric nerves", *J. Chromatogr.*, 336 (1984) 41-50. (101)
- Myatt, L. and J.L. Wittliff, "Characterisation of non-activated and activated estrogen- and antiestrogen-receptor complexes by high performance ion exchange chromatography", *J. Steroid Biochem.*, 24(5) (1986) 1041-1048. (444)
- Nagy, D.J., "Characterization of poly (vinyl alcohol) using SEC multiangle laser light scattering", *Ameri. Lab.*, (1995) 47J-47V. (456)
- Nagy, D.J. and D.A. Terwilliger, "Size Exclusion Chromatography/Differential Viscometry of Cationic Polymers", *J. Liq. Chromatogr.*, 12(9) (1989) 1431-1449. (310)
- Ng, P.K.W., M.G. Scanlon and W. Burshuk, "Electrophoretic and HPLC Patterns of Registered Canadian Wheat Cultivars", *Cer. Res. Comm.*, 17(1) (1989) 5-10. (294)
- Nguyen, Trang and Bruce Cooper, "Evaluation and Application of Microparticle HPLC to Pharmaceutical Analysis", *HPLC '98 Poster P-0232-Th*, (1998). (501)
- Niimi, S., T. Hayakawa, T. Oshizawa, E. Urchida, T. Yamaha, T. Terao, E. Otsuka and M. Ikehara, "Purification and characterization of the product of chemically synthesized human growth hormone gene expression in *Escherichia coli*", *Chem. Pharm. Bull.*, 35 (1987) 4221-4228. (320)
- Nowlan, M.P. and K.M. Gooding, "High-performance ion-exchange chromatography of proteins", *HPLC of Peptides and Proteins*, Mant and Hodges eds., (1991) 203-213. (368)
- Nugent, K.D., "Commercially available columns and packings for reversed-phase HPLC of peptides and proteins", *HPLC of Peptides and Proteins*, Mant and Hodges eds., (1991) 279-287. (371)
- Olah, T.V., J.D. Gilbert and A. Barrish, "Determination of the  $\beta$ -adrenergic blocker timolol in plasma by liquid chromatography-atmospheric pressure chemical ionization mass spectrometry", *J. Pharm. & Biomed. Anal.*, 11(2) (1993) 157-163. (474)
- Olah, T.V., J.D. Gilbert, A. Barrish, T.F. Greber and D.A. McLoughlin, "A rapid and specific assay, based on liquid chromatography-atmospheric pressure chemical ionization mass spectrometry, for the determination of MK-434 (a 5 $\alpha$ -reductase inhibitor) and its metabolites in plasma", *J. Pharm. & Biomed. Anal.*, 12(5) (1994) 705-712. (475)
- Olson, N.A., K.J. Skogerboe, R.E. Synovec, "Hydrophobic interaction chromatography coupled with dynamic surface tension detection for the determination of surface active species in protein formulations", *J. Chromatogr. A*, 806 (1998) 239-250. (526)

- Opiteck, G.J., J.W. Jorgenson and R.J. Anderegg , "Two-Dimensional SEC/RPLC Couple to Mass Spectrometry for the Analysis of Peptides", *Anal. Chem.*, 69(13) (1997) 2283-2291. (502)
- Opiteck, G.J., J.W. Jorgenson and R.J. Anderegg , "Two-Dimensional SEC/RPLC Couple to Mass Spectrometry for the Analysis of Peptides", *Anal. Chem.*, 69(13) (1997) 2283-2291. (502)
- Orosz, F. and J. Ovadi, "Rapid separation and quantitation of some glycolytic metabolites formed during enzymatic reactions by HPLC", *Symp. Biol. Hung.*, 31 (1986) 425-434. (196)
- Orosz, F., M. Nuridsany and J. Ovadi, "Quantitative determination of triosephosphates during enzymatic reaction by HPLC: effect of isomerase on aldolase activity", *J. Biochem. Biophys. Meth.*, 13 (1986) 325-332. (198)
- Orsi, F. and F. Bekes, "Investigation of cereal proteins by HPLC", *Symp. Biol. Hung.*, 34 (1986) 233-240. (227)
- Ott, G.S. and V.G. Shore, "Anion-exchange HPLC of human serum apolipoproteins", *J. Chromatogr.*, 231 (1982) 1-12. (34)
- Ozols, J. and F.S. Heinemann, "Chemical structure of rat liver cytochrome b5. Isolation of peptides by HPLC", *Biochim. Biophys. Acta*, 704 (1982) 163-173. (26)
- Paasch, B.D., Y.S. Lin, S. Porter, N.B. Modi and T.J. Barder , "Determination of Ro 48-3656 in rat plasma by reversed-phase high-performance liquid chromatography: A comparison of 1.5-mm nonporous silica to 3.5-mm porous silica analytical columns", *J. Chromatogr., B*, 704 (1997) 231-242. (503)
- Parker, J.M.R. and R.S. Hodges, "HPLC hydrophobicity parameters: prediction of surface and interior regions in proteins", *HPLC of Peptides and Proteins*, Mant and Hodges eds., (1991) 737-749. (378)
- Parker, J.M.R., C.T. Mant and R.S. Hodges, "A practical approach to the preparative purification of peptides using analytical instrumentation with analytical and semi-preparative columns", *Chromatographia*, 24 (1987) 832-838. (246)
- Parker, J.M.R., D. Guo and R.S. Hodges, "New hydrophilicity scale derived from HPLC peptide retention data: correlation of predicted surface residues with antigenicity and x-ray derived accessible sites", *Biochem.*, 25 (1986) 5425-5432. (161)
- Parviaien, M.T., H.J. Galloway, H.J. Towers and J.A. Kanis, "Alkaline phosphatase isoenzymes in serum determined by high-performance anion-exchange liquid chromatography with detection by enzyme reaction", *Clin. Chem.*, 34(12) (1988) 2406-2409. (267)
- Paulis, J.W. and J.A. Bietz, "Separation of alcohol-soluble maize proteins by reversed-phase HPLC", *J. Cereal Sci.*, 4 (1986) 205-216. (195)
- Paulis, J.W. and J.A. Bietz, "Characterizations of zeins, fractionated by reversed-phase HPLC", *Cereal Chem.*, 65(3) (1988) 215-222. (260)
- Paulis, J.W., J.A. Bietz, R.J. Lambert and E.M. Villegas, "Identification of Modified High-Lysine Maize Genotypes by Reversed-Phase HPLC", *Cereal Chem.*, 68(4) (1991) 361-365. (385)
- Pearson, J., E. Pfannkoch and F.E. Regnier, "HPLC of proteins and peptides", *Food Constituents and Food Residues*, J.F. Lawrence ed., Marcel Dekker, Inc. (1984). (84)
- Pearson, J.D., W.C. Mahoney, M.A. Hermodsen and F.E. Regnier, "Reversed-phase supports for the resolution of large denatured protein fragments", *J. Chromatogr.*, 207 (1981) 325-332. (14)

- Pennica, D., W.J. Kohr, W-J Kuang, D. Glaister, B.B. Aggarwal, E.Y. Chen and D.V. Goeddel, "Identification of human uromodulin as the tamm-horsfall urinary glycoprotein", *Science*, 236 (1987) 83-87. (414)
- Pfannkoch, E., K.C. Lu, F.E. Regnier and H.G. Barth, "Characterization of some commercial high-performance SEC columns for water-soluble polymers", *J. Chromatogr. Sci.*, 18(9) (1980) 430-441. (9)
- Piette, V., M. Lammerhofer, K. Bischoff and W. Lidner, "High-Performance Liquid Chromatographic Enantioseparation of N-Protected  $\mu$ -Amino Acids Using Nonporous Silica Modified by a Quinine Carbamate as Chiral Stationary Phase", *Chirality*, 9 (1997) 157-161. (504)
- Polakis, P.G. and J.E. Wilson, "Purification of highly bindable rat brain hexodinase by HPLC", *Biochem. Biophys. Res. Comm.*, 107(3) (1982) 937-943. (37)
- Pope, M.R., S.A. Murrell and P.W. Ludden, "Purification and properties of the heat-released nucleotide-modifying group from the inactive iron protein of nitrogenase from *rhodospirillum rubrum*", *Biochem.*, 24 (1985) 2374-2380. (115)
- Potgieter, H.C., T. Klein, F. Maganant, N. Savage and J.L. Wittliff, "Molybdate and the molecular properties of the vervet monkey estrogen receptor", *J. Steroid Biochem.*, 25(6) (1986) 951-956. (240)
- Potter, K. and J. Tehrani, "Gradient microbore liquid chromatography", *LC-GC*, 8 (1990) 862-868. (337)
- Powell, S.C., E.R. Friedlander and Z.K. Shihabi, "Myoglobin determination by HPLC", *J. Chromatogr.*, 317 (1984) 87-92. (92)
- Putman, L.J. and L.G. Butler, "Separation of high molecular weight sorghum procyanidins by HPLC", *J. Agric. Food Chem.*, 37 (1989) 943-946. (435)
- Putnam, F.W. and N. Takahashi, "Structural characterization of glycoproteins", *J. Chromatogr.*, 443 (1988) 267-284. (252)
- Radulovic, L.L. and A.P. Kulkarni, "HPLC separation and study of the charge isomers of human placental glutathione transferase", *Biochem. J.*, 239 (1986) 53-57. (192)
- Radulovic, L.L. and A.P. Kulkarni, "A rapid, novel HPLC method for the purification of glutathione S-transferase: an application to the human placental enzyme", *Biochem. Biophys. Res. Commun.*, 128(1) (1985) 75-81. (93)
- Rajasekharan, K.N., M. Mayadevi, R. Agarwal and M. Burke, "MgADP-Induced changes in the structure of Myosin S1 near the ATPase-related thiol SH-1 probed by cross-linking", *Biochem.*, 29 (1990) 3006-3013. (312)
- Ralph, J.P., D.E.A. Catcheside, "Size exclusion chromatography of solubilized low-rank coal", *J. Chromatogr. A*, 724 (1996) 97-105. (518)
- Ramadoss, C.S. and B. Axelrod, "HPLC separation of lipoxygenase isozymes in crude soybean extracts", *Anal. Biochem.*, 127 (1982) 25-31. (33)
- Rao, P., A. Williams, A. Baldwin-Ferro, E. Hanigan, D. Kroon, M. Makowski, E. Meyer, V. Numsuwan, E. Rubin and A. Tran, "C-terminal modification occurs in tissue culture produced OKT3", *Biopharm.*, 4 (Nov/Dec) (1991) 38-43. (350)
- Rapoport, B. and P. Seto, "Bovine thyrotropin has a specific bioactivity 5- to 10-fold that of previous estimates for highly purified hormone", *Endocrinology*, 116(4) (1985) 1379-1382. (113)
- Raubenheimer, J. and L.A. van der Walt, "Multidimensional chromatographic separation of estrogen receptors", *Biomed. Chromatogr.*, 3 (1989) 255-261. (322)

- Regnier, F., "HPLC of proteins", *Meth. in Enzymology*, 91 (1983) 137-190. (51)
- Regnier, F.E., "High-performance ion-exchange chromatography of proteins: the current status", *Anal. Biochem.*, 126 (1982) 1-7. (22)
- Regnier, F.E., "High-performance ion-exchange chromatography", *Meth. in Enzymology*, 104 (1984) 170-189. (83)
- Regnier, F.E. and I. Mazsaroff, "A theoretical examination of adsorption processes in preparative liquid chromatography of proteins", *Biotech. Prog.*, 3(1) (1987) 22-26. (185)
- Regnier, F.E. and K.M. Gooding, "HPLC of proteins", *Anal. Biochem.*, 103 (1980) 1-25. (4)
- Regnier, F.E. and K.M. Gooding, "Proteins", *Liquid Chromatography in Clinical Analysis*, ed by P.M. Kabra and L.J. Marton, Humana Press Inc., Clifton, NJ (1981) 323-353. (15)
- Reh, E. and U. Kapfer, "Examination of new stationary phases for the reversed phase chromatography of peptides", *Chromatographia*, 30 (1990) 663-674. (505)
- Reh, E., M. Kratzer, D. Zdunek and F. Lang, "Quantitative determination of albumin in urine by on-line immuno-adsorptive cleanup and reversed-phase chromatography", *Anal. Biochem.*, 196 (1991) 104-110. (422)
- Rehbein, H., "Bestimmung der fischart durch hochleistungs-flussigchromatographie der wasserlöslichen fischmuskelpoteine", *Informationen für die Fischwirtschaft*, 1(37) (1990) 25-31. (460)
- Reitsma, B.H. and E.S. Yeung, "Reversed-phase liquid chromatography of soybean trypsin inhibitor with optical activity and ultraviolet absorbance detection", *J. Chromatogr.*, 405 (1987) 295-303. (223)
- Rippel, G., E. Alattyani and L. Szepesy, "Characterization of stationary phases used in reversed-phase and hydrophobic interaction chromatography", *J. Chromatogr. A*, 668 (1994) 301-312. (453)
- Roettger, B.F., J.A. Myers, M.R. Ladisch and F.E. Regnier, "Adsorption phenomena in hydrophobic interaction chromatography", *Biotech. Prog.*, 5(3) (1989) 79-88. (401)
- Rogner, M., "Purification of Membrane Protein Complexes Isolated from a Cyanobacterial Thylakoid Membrane by HPLC", *J. Chromatogr.*, 512 (1990) 219-226. (301)
- Ronneberg, A., G. Metz, R. Weld, P. Roffey and C. Craney, "A High Yield Microscale Enzymatic Synthesis and Purification of <sup>14</sup>C-Labeled Nicotinamide Adenine Dinucleotide Phosphate (NADP<sup>+</sup>)", *J. Labelled Compounds and Radiopharmaceuticals*, 31(4) (1992). (390)
- Rudberg, A., Magnusson, P., Larsson, L., Joborn, H., "Serum Isoforms of Bone Alkaline Phosphatase Increase During Physical Exercise in Women", *Calcified Tissue International*, 66:342-347 (2000) (547)
- Rudolph, F.B. and S.W. Clark, "HPLC of proteins: purification of the acidic isozyme of adenylosuccinate synthetase from rat liver", *Anal. Biochem.*, 127 (1982) 193-197. (32)
- Rudolph, F.B., B.F. Cooper and J. Greenhut, "Enzyme purification by high-performance ion-exchange liquid chromatography", *Progress in HPLC*, eds. Parves et al., VNU Science Press, 1 (1985) 133-147. (107)
- Rudolph, F.B., D.P. Wiesenborn, J. Greenhut and M.L. Harrison, "Preparative enzyme purifications by HPLC", *HPLC of Biological Macromolecules: Methods and Applications*, Marcel Dekker, Inc. (1990) 333-350.. (328)

- Rudolphi, A., K.-S. Boos and D. Seidel , "Coupled-column HPLC analysis of free urinary catecholamines using restricted access affinity precolumn and MICRO-particulate nonporous silica reversed phase stationary phases and a novel non-porous monodisperse 1.5-microns bonded silica in the separation of drugs", *Chromatographia*, 41 (1995) 645-650. (506)
- Rudolphi, A., S. Vielhauer, K.-S. Boos, K.-D. Bischoff and T.J. Barder , "Comparison of column performance of conventional porous silica reversed-phase stationary phases and a novel non-porous monodisperse 1.5-microns bonded silica in the separation of drugs", 5th International Symposium on Pharmaceutical and Biomedical Analysis, Presentation, Stockholm, September 21-24 (1994). (507)
- Rushing, L.G., E.B. Hansen Jr., "Confirmation of malachite green, gentian violet and their leuco analogues in catfish and trout tissue by high-performance liquid chromatography utilizing electrochemistry with ultraviolet-visible diode array detection and fluorescence detection.", *J. Chromatogr. B*, 700 (1997) 223-231. (524)
- Rutledge, D.R., A.H. Abadi and L.M. Lopez, "Liquid chromatographic determination of celiprolol, diltiazem, desmethyldiltiazem and deacetyldiltiazem in plasma using a short alkyl chain silanol deactivated column", *J. Pharm. & Biomed. Anal.*, 12(1) (1994) 135-140. (476)
- Rutledge, D.R., A.H. Abadi, L.M. Lopez and C.A. Beaudreau, "HPLC determination of diltiazem and two of its metabolites in plasma using a short alkyl chain silanol deactivated column", *J. Chromatogr.*, 615 (1993) 111-116. (397)
- Sakamoto, H., M. Ohta, R. Miura, T. Sugiyama, T. Yamano and Y. Miyake, "Studies on the reaction mechanism of NADPH-adrenodoxin reductase with NADPH", *J. Biochem.*, 92 (1982) 1941-1950. (58)
- Sandstrom, P.A. and T.M. Buttke, "Autocrine production of extracellular catalase prevents apoptosis of the human CEM T-cell line in serum-free medium", *Proc. Natl. Acad. Sci. USA*, 90 (1993) 4708-4712. (452)
- Sarg, B., W. Helliger, C. Meraner and H. Lindner, "Hydrophilic interaction chromatography of acetylated and phosphorylated histones", *GIT Spezial Chromatogr.*, 1 (1995) 50-54. (464)
- Sastry, L.V.S., J.W. Paulis, J.A. Bietz and J.S. Wall, "Genetic variation of storage proteins in sorghum grain: Studies by isoelectric focusing and HPLC", *Cereal Chem.*, 63(5) (1986) 420-427. (179)
- Sastry, L.V.S., J.W. Paulis, L.A. Cobb, J.S. Wall and J.D. Axtell, "Genetic variability of alcohol-soluble storage proteins in high-lysine sorghums", *J. Agric. Food Chem.*, 34 (1986) 1061-1067. (194)
- Sato, N., S.M. Hyder, L. Chang, A. Thais and J.L. Wittliff, "Interaction of estrogen receptor isoforms with immobilized monoclonal antibodies", *J. Chromatogr.*, 359 (1986) 475-487. (154)
- Scanlon, M.G., P.K.W. Ng, D.E. Lawless and W. Bushuk, "Suitability of reversed-phase HPLC separation of wheat proteins for long-term statistical assessment of breadmaking quality", *Cer. Chem.*, 67 (1990) 395-399. (340)
- Schlabach, T., "Postcolumn detection of serum proteins with the biuret and Lowry reactions", *Anal. Biochem.*, 139(2) (1984) 309-15. (72)
- Schlabach, T.D. and S.R. Abbott, "Serum protein profiles by HPLC with detection at multiple wavelengths", *Clin. Chem.*, 26 (1980) 1504-1508. (10)
- Schlager, J.W. and R.P. Baldwin, "Liquid chromatography-electrochemical detection of ferr- and ferricytochrome c at a chemically modified gold electrode", *J. Chromatogr.*, 390 (1987) 379-389. (201)

- Schmidt, J.A., "purification and partial biochemical characterization of normal human interleukin 1", *J. Exp. Med.*, 160 (1984) 772-787. (428)
- Schmuck, M.N., D.L. Gooding and K.M. Gooding, "Comparison of porous silica packing materials for preparative ion-exchange chromatography", *J. Chromatogr.*, 359 (1986) 323-330. (146)
- Schmuck, M.N., K.M. Gooding and D.L. Gooding, "Preparative chromatography of proteins", *J. Liq. Chromatogr.*, 7(14) (1984) 2863-2873. (88)
- Schmuck, M.N., K.M. Gooding and D.L. Gooding, "Hydrophobic interaction chromatography for preparative protein purification", *LC Magazine* 3(9) (1985) 814-816. (123)
- Schmuck, M.N., M.P. Nowlan and K.M. Gooding, "Effects of mobile phase and ligand arm on protein retention in hydrophobic interaction chromatography", *J. Chromatogr.*, 371 (1986) 55-62. (168)
- Sereda, T.J., C.T. Mant, F.D. Soennichsen, and R.S. Hodges, "Reversed-phase chromatography of synthetic amphipathic .alpha.-helical peptides as a model for ligand-receptor interactions. Effect of changing hydrophobic environment on the relative hydrophilicity-hydrophobicity of amino-acid side-chains.", *J. Chromatogr. A*, 676 (1994) 139-153. (515)
- Shahabi, N.A., S.M. Hyder, R.D. Wiehle and J.L. Wittliff, "HPLC analysis of estrogen receptor by a multidimensional approach", *J. Steroid Biochem.*, 24 (1986) 1151-1157. (155)
- Shahabi, N.A., T.W. Hutchens, J.L. Wittliff, S.D. Halmo, M.E. Kirk and J.A. Nisker, "Physicochemical characterization of estrogen receptors from a rabbit endometrial carcinoma model", *Progress in Cancer Research and Therapy*, F. Bresciani, et al. eds., Raven Press, NY, 31 (1984) 63-71. (85)
- Shanksy, R.E., S.-L. Wu, A. Figueroa and B.L. Karger, "Hydrophobic interaction chromatography of biopolymers", *HPLC of Biological Macromolecules: Methods and Applications*, Marcel Dekker, Inc. (1990) 95-144.. (326)
- Shapiro, R. and B.L. Vallee, "Human placental ribonuclease inhibitor abolishes both angiogenic and ribonucleolytic activities of angiogenin", *Proc. Natl. Acad. Sci.*, 84 (1987) 2238-2241. (306)
- Shapiro, R., E.A. Fox and J.F. Riordan, "Roles of Lysines in Human Angiogenin: Chemical Modification and Site-Directed Mutagenesis", *Biochem.*, 28 (1989) 1726-1732. (307)
- Shapiro, R., J.F. Riordan and B.L. Vallee, "Characteristic Ribonucleolytic Activity of Human Angiogenin", *Biochem.*, 25 (1986) 3527-3532. (305)
- Shapiro, R., J.W. Harper, E.A. Fox, H-W Jansen, F. Hein and E. Uhlmann, "Expression of Met-(-1) angiogenin in *Escherichia coli*: conversion to the authentic <Glu-1 protein", *Anal. Biochem.*, 175 (1988) 450-461. (424)
- Sharp, C.A., Magnusson, P., Larsson, L., Davie, M.W.J., "Bone Alkaline Phosphatase Isoforms in Paget's Disease of Bone", *Journal of Bone and Mineral Research* 1999; 14 (Suppl. 1):S540 (549)
- Shen, Y., and M.L. Lee, "High Speed Solvating Gas Chromatography Using Packed Capillaries Containing sub-5 um Particles", *Journal of Chromatography, A* 788 (1977) 31-42. (508)
- Shifflet, Michael J., Shapiro, Mark, Levin, Cora and DeNisco, Ross, "Validating a Reversed-Phase HPLC Method to Determine Residual Nonoxynol-9 on Pharmaceutical Process Equipment Using a Nonporous Silica Column", *LCGC*, Volume 19, Number 3, March 2001. (553)
- Shihabi, Z.K., "Review of drug analysis with direct serum injection on the HPLC column", *J. Liq. Chromatogr.*, 11(8) (1988) 1579-1593. (265)

- Shihabi, Z.K. and R.D. Dyer, "Serum injection on the HPLC column for carbamazepine assay", *J. Liq. Chromatogr.*, 10(11) (1987) 2383-2391. (233)
- Shihabi, Z.K., J. Scaro and R.D. Dyer, "Tocainide determination by HPLC", *J. Liq. Chromatogr.*, 11(11) (1988) 2391-2397. (266)
- Shum, S.C.K. and R.S. Houk, "Elemental speciation by anion exchange and size exclusion chromatography with detection by inductively coupled plasma mass spectrometry with direct injection nebulization", *Anal. Chem.*, 65 (1993) 2972-2976. (405)
- Siezen, R.J. and E.D. Kaplan, "Optimal resolution of eye lenses gamma-crystallins by cation-exchange HPLC on SynChropak CM300", *J. Chromatogr.*, 444 (1988) 239-250. (218)
- Siezen, R.J., C. Hom, E.D. Kaplan, J.A. Thomson and G.B. Benedek, "Heterogeneity of gamma-crystallins from spiny dogfish (*Squalus acanthias*) eye lens", *Exp. Eye Res.*, 46 (1988) 81-93. (430)
- Siezen, R.J., E.D. Kaplan and R.D. Anello, "Superior resolution of gamma-crystallins from microdissected eye lens by cation-exchange HPLC", *Biochem. Biophys. Res. Commun.*, 127(1) (1985) 153-160. (105)
- Siezen, R.J., J.A. Thomson, E.D. Kaplan and G.B. Benedek, "Human lens gamma-crystallins: Isolation, identification, and characterization of the expressed gene products", *Proc. Natl. Acad. Sci. USA*, 84 (1987) 6088-6092. (217)
- Silva, J.L. and G. Weber, "Pressure-induced Dissociation of Brome Mosaic Virus", *J. Mol. Biol.*, 199 (1988) 149-150. (297)
- Silva, J.L., M. Villas-Boas, C.F.S. Bonafe and N.C. Meirelles, "Anomalous Pressure Dissociation of Large Protein Aggregates", *J. Biol. Chem.*, 264(27) (1989) 15863-15868. (299)
- Simonian, M.H. and M.W. Capp, "Purification of poly(A)- messenger ribonucleic acid by reversed-phase HPLC", *J. Chromatogr.*, 266 (1983) 351-358. (57)
- Singh, S.V., G.A.S. Ansari and Y.C. Awasthi, "Anion-exchange HPLC of glutathione s-transferases, Separation of the minor isoenzymes of human erythrocyte, heart and lung", *J. Chromatogr.*, 361 (1986) 337-345. (170)
- Sommer, A., M.T. Brewer, R.C. Thompson, D. Moscatelli, M. Presta and D.B. Rifkin, "A form of human basic fibroblast growth factor with an extended amino terminus", *Biochem. Biophys. Res. Comm.*, 144(2), (1987) 543-550. (429)
- Soponkanaporn, T. and R. Gehr, "Quantitative determination and peak molecular weight analysis of acrylamide-based polyelectrolytes by size exclusion chromatography", *Intern. J. Environ. Anal. Chem.*, 29 (1987) 1-14. (477)
- Soponkanaporn, T. and R. Gehr, "Quantitative determination and peak molecular weight analysis of acrylamide-based polyelectrolytes by size exclusion chromatography", *Intern. J. Environ. Anal. Chem.*, 29 (1987) 1-14. (477)
- Speedie, M.K., D.L. Wong and R.D. Ciaranello, "Characterization of the subunit structure of dopamine  $\beta$ -hydroxylase by anion-exchange HPLC", *J. Chromatogr.*, 327 (1985) 351-357. (116)
- Stahlberg, J., B. Jonsson and C. Horvath, "Theory for Electrostatic Interaction Chromatography of Proteins", *Anal. Chem.*, 63 (1991). (388)

- Stallings, M. and E.C. Abraham, "HPLC separation of the labile aldimine (pre-hemoglobin A1C) and the stable hemoglobin A1C", *Hemoglobin*, 8(5) (1984) 509-513. (104)
- Steczko, J., M. Hermodsen, B. Axelrod and E. Dziembor-Kentzer, "Identification of the target amino acids in the site-specific inactivation of triose phosphate isomerase by ferrate anion", *J. Biol. Chem.*, 258(21) (1983) 13148-13154. (73)
- Stone, R.G. and J.A. Krasowski, "Determination of molecular size distributions of modified corn starch by size exclusion chromatography", *Anal. Chem.*, 53 (1981) 736-737. (13)
- Strahler, J.R., B.B. Rosenblum, S. Hanash and R. Butkunas, "Separation of transferrin types in human plasma by anion-exchange HPLC", *J. Chromatogr.*, 266 (1983) 281-291. (53)
- Stringham, R.A., A.E. Grott and F.E. Regnier, "Selective Non-Adsorption Preparative Chromatography: An Examination of Throughput, Mobile Phase Selection and Alternative Modes of Separation", *Prep. Chromatogr.*, 1(2) (1989) 179-193. (303)
- Stringham, R.W. and F.E. Regnier, "Selective non-adsorption preparative chromatography of bovine IgG2", *J. Chromatogr.*, 409 (1987) 305-314. (207)
- Stromer, D., K. Gottschall and R.M. Kamp, "Fast separation of biomolecules", *BioTec*, Nr.4 (1993) 32-37. (509)
- Stroobant, P. and M.D. Waterfield, "Purification and properties of porcine platelet-derived growth factor", *The Embo Journal*, 12(3) (1984) 2963-2967. (94)
- Strydom, D.J., J.W. Fett and J.F. Riordan, "The Odyssey of Angiogenin: A Protein That Induces Blood Vessel Growth", *Anal. Chem.*, 61(20) (1989) 1173-1179. (291)
- Strydom, D.J., J.W. Fett, R.R. Lobb, E.M. Alderman, J.L. Bethune, F.J. Riordan and B.L. Vallee, "Amino acid sequence of human tumor derived angiogenin", *Biochem.*, 24 (1985) 5486-5494. (128)
- Sullivan, R.C., Y.W. Shing, P.A. D'Amore and M. Klagsbrun, "Use of size-exclusion and ion-exchange HPLC for the isolation of biologically active growth factors", *J. Chromatogr.*, 266 (1983) 301-311. (54)
- Sun, Y. and D.L. Smith, "Identification of disulfide-containing peptides by performic acid oxidation and mass spectrometry", *Anal. Biochem.*, 172 (1988) 130-138. (420)
- Sun, Y., P.C. Andrews and D.L. Smith, "Identification of disulfide-containing peptides in endocrine tissue extracts by HPLC-electrochemical detection and mass spectrometry", *J. Protein Chem.*, 9(2) (1990) 151-157. (433)
- Swan, J.S., M. Azadpur, A.J. Bharucha and M.A. Krafczyk, "Separation of Proteins in Human Milk", *J. Liq. Chromatogr.*, 11(16) (1988) 3385-3392. (293)
- Szepesy, L. and G. Rippel, "High Performance Hydrophobic Interaction Chromatography of Proteins", *LCGC Intl.*, 5(11) (1993) 24-. (391)
- Szepesy, L. and G. Rippel, "Effect of the characteristics of the phase system on the retention of proteins in hydrophobic interaction chromatography", *J. Chromatogr. A*, 668 (1994) 337-344. (454)
- Szepesy, L. and L. Vida, "Investigation of some  $\alpha$ -amylases by HP-HIC", *J. Chromatogr.*, 499 (1990) 197-204. (313)
- Takahashi, N. and F.W. Putnam, "Glycoproteins", *HPLC of Biological Macromolecules: Methods and Applications*, Marcel Dekker, Inc. (1990) 571-584.. (332)

- Takahashi, N., Y. Takahashi and F.W. Putnam, "Two-dimensional HPLC and chemical modification in the strategy of sequence analysis, Complete amino acid sequence of the lambda light chain of human immunoglobulin D", *J. Chromatogr.*, 266 (1983) 511-522. (55)
- Takahashi, N., Y. Takahashi, T.L. Ortel, J.N. Lozier, N. Ishiaki and F.W. Putnam, "Purification of glycopeptides of human plasma proteins by HPLC", *J. Chromatogr.*, 317 (1984) 11-26. (90)
- Takio, K., D.K. Blumenthal, A.M. Edelman, K.A. Walsh, E.G. Krebs and K. Titani, "Amino acid sequence of an active fragment of rabbit skeletal muscle myosin light chain kinase", *Biochem.*, 24 (1985) 6028-6037. (135)
- Tandy, N.E., R.A. Dilley and F.E. Regnier, "HPLC purification of the hydrophobic  $\hat{U}$  subunit of the chloroplast energy coupling complex", *J. Chromatogr.*, 266 (1983) 599-609. (46)
- Tetaert, D., N. Takahashi and F.W. Putnam, "Purification of glycopeptides of human ceruloplasmin and immunoglobulin D by HPLC", *Anal. Biochem.*, 123 (1982) 430-437. (31)
- Thevenon, G. and F.E. Regnier, "Reversed-Phase Liquid Chromatography With Strong Acids", *J. Chromatogr.*, 476 (1989) 499-511. (290)
- Thevenon-Emeric, G. and F.E. Regnier, "Process monitoring by parallel column gradient elution chromatography", *Anal. Chem.*, 63 (1991) 1114-1118. (355)
- Thorén, Marja, Hilding, Agneta, Brismar, Torkel, Magnusson, Per, Degerblad, Marie, Larsson, Lasse, Sääf, Maria, Baylink, David J. and Mohan, Subburaman, "Serum Levels of Insulin-like Growth Factor Binding Proteins (IGFBP)-4 and -5 Correlate with Bone Mineral Density in Growth Hormone (GH) – Deficient Adults and Increase with GH Replacement Therapy", *Journal of Bone and Mineral Research*, Volume 13, Number 5 (1998) (545)
- Threadgill, G.J., R.C. Conrad, L.M. Changchien, M. Cannon and G.R. Craven, "Application of HPLC to the purification and characterization of ribosomal protein L3 from trichodermin-resistant yeast mutants", *Biochem. J.*, 237 (1987) 421-426. (209)
- Threadgill, G.J., R.C. Conrad, M. Cannon and G.R. Craven, "A rapid and preparative method for the separation of yeast ribosomal proteins by using HPLC", *Biochem. J.*, 244 (1987) 523-532. (203)
- Tice, P.A., G.W. Robinson and F.E. Regnier, "Preparative HPLC of soybean trypsin inhibitor using large particle diameter supports", *J. Liq. Chromatogr.*, 10 (1987) 1439-1461. (183)
- Tice, P.A., I. Mazsaroff and F.E. Regnier, "Effects of large sample loads on column lifetime in preparative-scale liquid chromatography", *J. Chromatogr.*, 410 (1987) 43-51. (206)
- Titani, K., T. Sasagawa, K. Resing and K.A. Walsh, "A simple and rapid purification of commercial trypsin and chymotrypsin by reverse-phase HPLC", *Anal. Biochem.*, 123 (1982) 408-412. (412)
- Tojo, H., T. Teramoto, T. Yamano and M. Okamoto, "Purification of intracellular phospholipase A2 from rat spleen supernatant by reverse-phase HPLC", *Anal. Biochem.*, 13 (1984) 533-537. (70)
- Toren, E.C., Jr., D.N. Vacik and P.B. Mockridge, "Cation-exchange, high-performance liquid chromatographic determination of hemoglobin A1C", *J. Chromatogr.*, 266 (1983) 207-212. (47)
- Trikha, M., S. Schmitmeier and F.S. Markland, "Purification and characterization of fibrolase isoforms from venom of individual southern copperhead (*Agkistrodon contortrix contortrix*) snakes", *Toxicon*, 32(12) (1994) 1521-1531. (459)

- Trikha, M., Y.A. De Clerck and F.S. Markland, "Contortrostatin, a snake venom disintegrin, inhibits b1, integrin-mediated human metastatic melanoma cell adhesion and blocks experimental metastasis", *Cancer Res.*, 54 (1994) 4993-4998. (458)
- Tsai, Y-C, C-P Tseng, K-M Hsiao and L-Y Chen, "Production and purification of d-aminoacylase from *alcaligenes denitrificans* and taxonomic study of the strain", *Appl. Environ. Microbiol.*, 54 (1988) 984-989. (442)
- Turyna, Bohdan, Artur Osyczka, Anna Kostrzewa, Wojciech Blicharski, Jan J Enghild, Wojciech Froncisz, "Preparation and electron paramagnetic resonance characterization of spin labeled monoderivatives of horse cytochrome c.", *Biochimica et Biophysica Acta* 1386 (1) (1998) 50-58. (530)
- Ullah, A.H.J., J.N. Neucere and T.E. Cleveland, "Surface proteins of two aflatoxin-producing isolates of *Aspergillus flavus* and *Aspergillus parasiticus* mycelia. 2. HPLC mapping by gel-permeation, ion-exchange, and reversed-phase chromatography", *J. Agric. Food Chem.*, 40 (1992) 1613-1616. (393)
- Unger, K.K. and B. Anspach, "Trends in stationary phases in high performance liquid chromatography", *Trends Anal. Chem.* 6 (1987) 121-125. (-1)
- Unger, K.K. and R. Janzen, "Packings and stationary phases in preparative column liquid chromatography", *J. Chromatogr.*, 373 (1986) 227-264. (188)
- Unger, K.K., R. Janzen and G. Jilge, "Packings and Stationary Phases for biopolymer separations by HPLC", *Chromatographia* 24 (1987) 144-154. (-2)
- Upreti, R.J. and V. Holoubek, "Separation of proteins of nuclear ribonucleoprotein particles by HPLC", *Anal. Chim. Acta*, 131 (1981) 239-245. (19)
- Urata, Y., K. Koike, S. Goto and M. Koike, "Novel separation and amino acid sequences of alpha and beta subunits of pig heart pyruvate dehydrogenase", *J. Nutr. Sci. Vitaminol.*, 37 (1991) 257-267. (403)
- Vacik, D.N. and E.C. Toren, "Separation and measurement of isoenzymes and other proteins by HPLC", *J. Chromatogr.*, 228 (1982) 1-31. (23)
- Vaishnav, Y.N., J.A. Pendergrass Jr., E.P. Clark, C.E. Swenberg, "Chromatographic and mass spectral analysis of the radioprotector and chemoprotector S-3-(3-methylaminopropylamino) propanethiol (WR 151326) and its symmetrical disulfide (WR 25595501)", *J. Pharm. Biomed. Anal.* 14 (1996) 317-324. (536)
- van der Walt, L.A. and J.L. Wittliff, "Assessment of progestin receptor polymorphism by various synthetic ligands using HPLC", *J. Steroid Biochem.*, 24(1) (1986) 377-382. (152)
- van der Walt, L.A. and J.L. Wittliff, "High-resolution separation of molybdate-stabilized progestin receptors using HPLC", *J. Chromatogr.*, 425 (1988) 277-291. (241)
- Vanecek, G. and F.E. Regnier, "Variables in the high-performance anion-exchange chromatography of proteins", *Anal. Biochem.*, 109 (1980) 345-353. (12)
- Wagner, G. and F.E. Regnier, "Rapid chromatofocusing of proteins", *Anal. Biochem.*, 126 (1982) 37-43. (38)
- Wagner, K., K. Racaityte, K.K. Unger, T. Miliotis, L.E. Edholm, R. Bischoff, G. Marko-Varga, "Protein mapping by two-dimensional high performance liquid chromatography", *J. Chromatogr. A*, 893 (2000) 293-305. (537)

- Wall, Daniel B., Lubman, David M. and Flynn, Shannon J., "Rapid Profiling of Induced Proteins in Bacteria Using MALDI-TOF Mass Spectrometric Detection of Nonporous RP HPLC-Separated Whole Cell Lysates", *Anal. Chem.*, 71, 3894-3900 (1999) (540)
- Wall, Daniel B., Kachman, Maureen T., Gong, Siyuan, Hinderer, Robert, Parus, Steven, Misek, David E., Hanash, Samir M. and Lubman, David M., "Isoelectric Focusing Nonporous RP HPLC: A Two-Dimensional Liquid-Phase Separation Method for Mapping of Cellular Proteins with Identification Using MALDI-TOF Mass Spectrometry", *Anal. Chem.*, 2000, 72, 1099-1111 (2000) (542)
- Weir, M.P., J. Sparks and A.M. Chaplin, "Micropreparative purification of recombinant human interleukin-2", *J. Chromatogr.*, 396 (1987) 209-215. (216)
- Weiser, H., W. Sellmeier and H.-D. Belitz, "Reversed-Phase HPLC of Ethanol-Insoluble Reduced Glutenin Fractions", *Cereal Chem.*, 66(1) 38-41. (284)
- Wenzel, T.J. and L.M. Collette, "Lanthanide ions as luminescent chromophores for the liquid chromatographic detection of polynucleotides and nucleic acids", *J. Chromatogr.*, 436 (1988) 299-307. (415)
- Wiehle, R.D. and J.L. Wittliff, "Isoforms of estrogen receptors by high-performance ion-exchange chromatography", *J. Chromatogr.*, 297 (1984) 313-326. (76)
- Wiehle, R.D. and J.L. Wittliff, "Assessment of steroid receptor polymorphism by high-performance ion-exchange chromatography", *HPLC of Peptides and Proteins*, Mant and Hodges eds., (1991) 255-270. (370)
- Wier, M.P. and J. Sparks, "Purification and renaturalization of recombinant human interleukin-2", *Biochem. J.*, 245 (1987) 85-91. (220)
- Wiesenborn, D.P., F.B. Rudolph and E.T. Papoutsakis, "Thiolase from *Clostridium acetobutylicum* ATCC 824 and its role in the synthesis of acids and solvents", *Appl. Environ. Microbiol.*, (1988) 2717-2722. (445)
- Wiesenborn, D.P., F.B. Rudolph and E.T. Papoutsakis, "Phosphotransbutyrylase from *Clostridium acetobutylicum* ATCC 824 and its role in acidogenesis", *Appl. Environ. Microbiol.*, Feb (1989) 317-322. (446)
- Wieser, H. and H.-D. Belitz, "Amino Acid Compositions of Avenins Separated by Reversed-Phase High-Performance Liquid Chromatography", *J. Cereal Sci.*, 9 (1989) 221-229. (295)
- Wilks, J.W. and S.S. Butler, "Biological activity of human chorionic gonadotropin following reversed-phase HPLC", *J. Chromatogr.*, 298 (1984) 123-130. (89)
- Williams, R.J., M. Lipowska, G. Patonay and L. Strekowski, "Comparison of Covalent and Noncovalent Labeling with Near-Infrared Dyes for the HPLC Determination of Human Serum Albumin", *Anal. Chem.*, 65 (1993) 601-605. (392)
- Wilson, J.B., "Separation of Human Hemoglobin Variants by HPLC", *HPLC of Biological Macromolecules: Methods and Applications*, Marcel Dekker, Inc. (1990) 457-472.. (331)
- Wilson, J.B. and T.H.J. Huisman, "Detection and quantitation of normal and abnormal hemoglobins in adults and newborns by HPLC", *Meth. in Hematol.*, 15 (1986) 1004-1009. (162)
- Wilson, J.B., M.E., Headlee and T.H.J. Huisman, "A new high performance liquid chromatographic procedure for the separation and quantitation of various hemoglobin variants", *J. Lab. Clin. Med.*, 102(2) (1983) 174-86. (49)

- Wilson, N., V. Yakoleff and J.R. Claybaugh, "Big ANF: large molecular weight ANF in rabbit plasma II. Acid dissociation and HPLC of dissociated irANF", *Am. J. Physiol.*, 261 (1991) E525-E528. (354)
- Windemann, H., P. Meier and E. Baumgartner, "Nachweis von weizengliadinen in erhitzten lebensmitteln mittels phasenumkehr-hochdruckflussig-chromatographie", *Z. Lebensm. Unters. Forsch*, 183 (1986) 26-32. (468)
- Withka, J., P. Moncuse, A. Baziotis and R. Maskiewicz, "Use of high-performance size-exclusion, ion-exchange, and hydrophobic interaction chromatography for the measurement of protein conformational change and stability", *J. Chromatogr.*, 398 (1987) 175-202. (212)
- Wittliff, J.L., "Steroid-hormone receptors in breast cancer", *Cancer*, 53(3) (1984) 630-643. (102)
- Wittliff, J.L., "HPLC of steroid-hormone receptors", *LC*, 4 (1986) 1092-1106. (243)
- Wittliff, J.L., "Molecular basis of endocrine-responsive cancers", *Clin. Physiol. Biochem.*, 5 (1987) 160-178. (244)
- Wittliff, J.L. and R.D. Wiehle, "Analytical methods for steroid hormone receptors and their quality assurance", Chap. 15, *Hormonally Responsive Tumors*, (1985) Academic Press, Inc.. (156)
- Wittliff, J.L. and S.M. Hyder, "Chromatofocusing of steroid hormone receptors and other proteins", *Current Protocols in Molecular Biology*, Ausubel et al, eds., Vol. 2, 10.15.1-10.15.5, and 10.15.9-10.15.12, (1988).. (409)
- Wittliff, J.L. and S.M. Hyder, "Hydrophobic-interaction chromatography of steroid hormone receptors and other proteins", *Current Protocols in Molecular Biology*, Ausubel et al, eds., Vol. 2, 10.15.5-10.15.12, (1988).. (410)
- Wittliff, J.L., L.L. Wenz, J. Dong, Z. Nawaz and T.R. Butt, "Expression and characterization of an active human estrogen receptor as a ubiquitin fusion protein from *Escherichia coli*", *J. Biol. Chem.*, 265 (1990) 22016-22022. (343)
- Wittliff, J.L., N.A. Shahabi, S.M. Hyder, L.A. van der Walt, L. Myatt, D.M. Boyle and Y.J. He, "HPLC as a means of characterizing isoforms of steroid hormone receptor proteins", *Mod. Meth. in Protein Chem.*, J. L'italien, ed., Plenum Press, New York, (1986). (167)
- Wittliff, J.L., R.D. Wiehle and S.M. Hyder, "HPLC as a means of characterizing the polymorphism of steroid hormone receptors", *The Use of HPLC in Receptor Biochemistry*, A.R. Liss ed., (1989) 115-199. (324)
- Wohlman, P.J. and M.N. Schmuck, "Smooth Spheres Improve HPLC Analysis of Sunscreens", *Pharmaceutical & Cosmetic Quality*, March-April (1997) 45-48. (510)
- Wondraczek, R.H., "The purification of monoclonal antibodies by HPLC", *Intl. Lab.*, (Apr. 1990) 17-22. (318)
- Wu, A.H.B. and T.G. Gornet, "Measurement of creatine kinase MM sub-type by anion-exchange liquid chromatography", *Clin. Chem.*, 31(4) (1985) 25-31. (121)
- Wu, A.H.B., T.G. Gornet, V.H. Wu, R.E. Brockle and A. Nishikawa, "Early diagnosis of acute myocardial infarction by rapid analysis of creatine kinase isoenzyme-3 (CK-MM) sub-types", *Clin. Chem.*, 33(3) (1987) 358-362. (187)
- Xiaohui, Xu and James T. Stewart, "An Improved Chromatographic Purity Test for Vancomycin Hydrochloride", *Pharmaceutical Forum* (24) 1998 6613. (511)

- Xu, X. and J.T. Stewart , "Use of 1.5 or 3.0 mm Spherical Non-Porous Silica (NPS) ODS HPLC Columns to Improve Performance and Environmental Friendliness of USP Compendial Methods", HPLC'98, Presentation, St. Louis, MO, May 7 (1998). (512)
- Yamakawa, Y. and J. Chiba, "HPLC of mouse monoclonal antibodies on spherical hydroxyapatite beads", J. Liq. Chromatogr., 11(3) (1988) 665-681. (269)
- Yue, Wayne and Christopher Kibbey , "High Speed HPLC Analysis of Combinatorial Libraries on Short Columns Packed with 1.5 mm Nonporous C18 Silica Stationary Phase, Presented at HPLC' 98, St. Louis, MO, May, 1998.", HPLC'98, Presentation, St. Louis, MO, May 7 (1998). (513)
- Zhang, Jason, Richard Robertson and Steve Fields , "Fast Analysis for Skin Flux and Release Rate Determination in Transdermal Drug Delivery Systems Using NPS Based HPLC Columns", Pacific Conference, Presentation, San Francisco, CA, October (1998). (514)
- Zhang, R.H., H. Wang, X.J. Xu, "Resolution of L,D-peptide diastereoisomers with reversed-phase high-performance chromatography", Sepu, 14 (1996) 202-204. (522)
- Zheng, J., W Goessler, W Kosmus, "The chromatographic behavior of arsenic compounds on anion exchange columns with binary organic acids as mobile phases ", Chromatographia 47 (1998) 257-263. (531)
- Zhou, N.E., C.T. Mant and R.S. Hodges, "Effect of preferred binding domains of peptide retention behavior in reversed-phase chromatography: Amphipathic  $\alpha$ -helices", BioChromatogr., 4 (1990) 127-139 or Pept. Res., 3 (1990) 8-20. (321)
- Zhou, N.E., P.D. Semchuk, C.M. Kay and R.S. Hodges, "The effect of hydrophobic residue distribution in  $\alpha$ -helical peptides on peptide retention behavior in reversed-phase HPLC", HPLC of Peptides and Proteins, Mant and Hodges eds., (1991) 643-658. (377)
- Zhu, B.Y., C.T. Mant and R.S. Hodges, "Hydrophilic-interaction chromatography of peptides on hydrophilic and strong cation exchange columns", J. Chromatogr., 548 (1991) 13-24. (347)