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Liquid Column Chromatography

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See also 3905, 3969, 3990, 4008, 4035, 4155, 4532.

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See 4005, 4432.

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10. CARBOHYDRATES

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11. ORGANIC ACIDS AND LIPIDS

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18. AMINO ACIDS AND PEPTIDES; CHEMICAL STRUCTURE OF PROTEINS

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19. PROTEINS

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See 4008, 4502, 4639.

35d. *Soil pollution (complex mixtures; single compounds by cross ref. only)*

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See also 1817.

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See 1874.

4. SPECIAL TECHNIQUES

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See also 1986.

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See also 1839, 1851, 2107.

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See also 1815, 1917, 1921, 1933, 1984, 2055, 2063, 2090.

5. HYDROCARBONS AND HALOGEN DERIVATIVES

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See also 2116, 2149, 2224, 2226.

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Sc. Halogen derivatives

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See also 1903, 2205, 2212, 2215, 2217, 2220, 2227.

6. ALCOHOLS

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See also 1942, 2051, 2155, 2189, 2191.

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See also 1827, 1915, 2186.

8. SUBSTANCES CONTAINING HETEROCYCLIC OXYGEN

8b. Aflatoxins and other mycotoxins

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See also 1826.

9. OXO COMPOUNDS, ETHERS, EPOXIDES AND QUINONES

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See also 1915, 1919, 2146, 2148, 2153, 2170.

10b. Polysaccharides, mucopolysaccharides, lipopolysaccharides

See 2004, 2218.

10c. Glycoproteins and their compounds

See 2065.

11. ORGANIC ACIDS AND LIPIDS

11a. Organic acids and simple esters

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- See also 1987, 2004, 2008, 2011, 2039, 2086, 2150, 2157, 2158, 2162, 2167, 2170, 2195, 2203, 2204.

11b. Prostaglandins

- 2034 Kikawa, Y., Nakai, A., Shigematsu, Y. and Sudo, M.: (Gas chromatography/mass spectrometry analysis of LTB₄ and 20-OH-LTB₄ in biological fluids). *Iyo Masu Kenkyukai Koenshu*, 12 (1987) 197-201; *C.A.*, 108 (1988) 183217s.
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See also 2151.

11c. *Lipids and their constituents*

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See also 2024, 2237.

11d. *Lipoproteins and their constituents*

See 2014, 2016, 2020, 2028.

13. STEROIDS

13a. *Pregnane and androstane derivatives*

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See also 2145, 2152, 2159.

13b. *Estrogens*

See 2152.

13c. *Sterols*

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- 2043 Evershed, R.P., Spooner, N., Prescott, M.C. and Goad, L.J.: Isolation and characterisation of intact sterol ferulates from seeds. *J. Chromatogr.*, 440 (1988) 23-35.
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See also 1987, 2030, 2049, 2162, 2175.

13d. *Bile acids and alcohols*

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See also 2042.

13e. *Ecdysones and other insect steroid hormones*

See 1954.

14. STEROID GLYCOSIDES AND SAPONINS

See 2075.

15. TERPENES AND OTHER VOLATILE AROMATIC COMPOUNDS

15a. *Terpenes*

- 2051 Akihisa, T., Inada, Y., Ghosh, P., Thakur, S., Rosenstein, F.K., Tamura, T. and Matsumoto, T.: Compositions of triterpene alcohols of seeds and mature plants of family *Cucurbitaceae*. *J. Am. Oil Chem. Soc.*, 65 (1988) 607-610.
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See also 1922, 2189.

15b. *Essential oils*

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See also 1933.

16. NITRO AND NITROSO COMPOUNDS

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See also 2095, 2096, 2119, 2125, 2160, 2177, 2196.

17. AMINES, AMIDES AND RELATED NITROGEN COMPOUNDS

17a. *Amines and polyamines*

- 2061 Durden, D.A. and Boulton, A.A.: Analysis of tryptamine at the femtomole level in tissue using negative ion chemical ionization gas chromatography-mass spectrometry. *J. Chromatogr.*, 440 (1988) 253-259.

See also 1861, 1937, 2095, 2096, 2165.

17d. *Other amine derivatives and amides (excluding peptides)*

- 2062 Giumanini, A.G., Verardo, G. and Pojana, M.: Integrated organic preparative, semimechanistic and instrumental separation of PTH-amino acids employing supercritical CO₂ and an ion pairing agent. *J. High Resolut. Chromatogr. Chromatogr. Commun.*, 11 (1988) 352-353.

See also 2010.

18. AMINO ACIDS AND PEPTIDES; CHEMICAL STRUCTURE OF PROTEINS

18a. *Amino acids and their derivatives*

- 2063 Ashraf-Khorassani, M., Fessahaie, M.G., Taylor, L.T., Berger, T.A. and Deye, J.F.: Rapid and efficient separation of PTH-amino acids employing supercritical CO₂ and an ion pairing agent. *J. High Resolut. Chromatogr. Chromatogr. Commun.*, 11 (1988) 352-353.
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- 2068 Nagaki, S., Nagaki, S., Hayashi, T. and Naruse, H.: (Medical and biological application of negative ion chemical ionization mass spectrometry (VII). Sensitive method for the determination of human cerebrospinal fluid). *Iyo Masu Kenkyukai Koenshu*, 12 (1987) 215-218; *C.A.*, 108 (1988) 161542s.

See also 1823, 1919, 1939, 1940.

18b. *Peptides and peptidic and proteinous hormones*

- 2069 Smith, G.G., Reddy, G.S. and Boon, J.J.: Gas chromatographic-mass spectrometric analysis of the Curie-point pyrolysis products of some dipeptides and their diketopiperazine. *J. Chem. Soc., Perkin Trans.*, 2 (1988) 203-211; *C.A.*, 108 (1988) 197573s.

See also 1936, 1938.

20. ENZYMES AND ENZYME ACTIVITY ESTIMATION

20e. *Hydrolases, acting on glycosyl compounds (E.C. 3.2.-.-)*

See 2009.

21. PURINES, PYRIMIDINES, NUCLEIC ACIDS AND THEIR CONSTITUENTS

21a. *Purines, pyrimidines, nucleosides, nucleotides*

- 2070 Kasemann, R., Fost, U. and Peter, H.: Selective GC/MS analysis of 7-(2'-oxo-ethyl)guanine in the presence of 7-(2'-hydroxyethyl)guanine by oximation. *Arch. Toxicol.*, 61 (1988) 245-246; *C.A.*, 108 (1988) 199574s.

21c. *Nucleic acids, DNA*

- 2071 O'Donnell, A.G., MacFie, H.J.H. and Norris, J.R.: An assessment of taxonomic congruence between DNA-DNA hybridization and pyrolysis gas-liquid chromatographic classifications. *J. Gen. Microbiol.*, 134 (1988) 743-749; *C.A.*, 108 (1988) 201549h.

22. ALKALOIDS

- 2072 Belikov, V.G., Kudrin, S.A., Kompantseva, E.V. and Botezat-Belyi, Yu.K.: (Quantitative determination of alkaloids in of *Thermopsisidis lanceolata* L. extract by gas-liquid chromatography). *Farmatsiya (Moscow)*, 36, No. 6 (1987) 36-39; *C.A.*, 108 (1988) 173623g.
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23. OTHER SUBSTANCES CONTAINING HETEROCYCLIC NITROGEN

23d. Pyridine derivatives

See 1831, 2147, 2214.

23e. Other N-heterocyclic compounds

See 1826, 1831, 2168, 2206, 2211.

24. ORGANIC SULPHUR COMPOUNDS

2077 Hase, A., Johansson, M.L. and Viljava, T.R.: Sources of error in the analysis of glucosinolates by gas-liquid chromatography. *J. Am. Oil Chem. Soc.*, 65 (1988) 647-651.

2078 He Dasen: (Analysis of thiophene products by gas chromatography). *Sepu*, 5 (1987) 392-393.

2079 Liu Guanghui: Oxidation of thiols within gas chromatographic columns. *J. Chromatogr.*, 441 (1988) 372-375.

See also 1826, 2206.

25. ORGANIC PHOSPHORUS COMPOUNDS (INCLUDING SUGAR PHOSPHATES)

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See also 2174.

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See 2163, 2193.

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See also 2135.

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See 2172.

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See 2026, 2053, 2060.

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See also 1972, 1975, 2002, 2003, 2073, 2093, 2134, 2138.

33. CLINICO-CHEMICAL APPLICATIONS

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See also 2081, 2094.

35. ENVIRONMENTAL ANALYSIS

35a. General papers and reviews

See 1977.

35b. Air pollution (complex mixtures; single compounds by cross ref. only)

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See 1914, 1923, 1925, 2212.

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See 2065.

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38b. Anions

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Planar Chromatography

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2c. Relationship between structure and chromatographic behaviour

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5b. Cyclic hydrocarbons

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8a. Flavonoids

See 1005.

8b. Aflatoxins and other mycotoxins

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See also 1018, 1031, 1076.

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See 1048, 1053, 1114.

34. FOOD ANALYSIS

34b. *Complex mixtures (single compounds by cross ref. only)*

See 1015, 1081.

35. ENVIRONMENTAL ANALYSIS

35a. *General papers and reviews*

See 1136.

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20. ENZYMES AND ENZYME ACTIVITY ESTIMATION

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See also 1406, 1529, 1618, 1625.

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23. OTHER SUBSTANCES CONTAINING HETEROCYCLIC NITROGEN

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See 1640.

27. VITAMINS AND VARIOUS GROWTH REGULATORS (NON-PEPTIDIC)

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31. PLASTIC AND THEIR INTERMEDIATES

See 1644.

32. DRUG ANALYSIS

32h. *Toxicological and forensic applications*

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See 1373, 1451, 1523.

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33b. *Complex mixtures and profiling (single compounds by cross ref. only)*

See 1372, 1390, 1434, 1436, 1440, 1447, 1489, 1533, 1564, 1586.

34. FOOD ANALYSIS

34b. *Complex mixtures (single compounds by cross ref. only)*

See 1525.

36. SOME TECHNICAL PRODUCTS AND COMPLEX MIXTURES

36c. *Various technical products*

- 1643 Radeva, T., Petkanchin, I., Varoqui, P. and Stoylov, S.: Effect of the adsorption of nonhydrolyzed polyacrylamide on the electric properties of kaolinite particles and the stability of their suspensions. *Mater. Sci. Forum*, 25-26 (1988) 417-420; *C.A.*, 108 (1988) 193320j.

37. CELLS, CELLULAR PARTICLES AND SUPRAMOLECULAR STRUCTURES

- 1644 Hahn, E., Wurts, L., Tietz, D. and Chrambach, A.: Linear Ferguson plots of polystyrene sulfate size standards for the quantitative agarose gel electrophoresis of subcellular particles. *Electrophoresis (Weinheim)*, 9 (1988) 243-255.
- 1645 Orbach, M.J., Vollrath, D., Davis, R.W. and Yanofsky, C.: An electrophoretic karyotype of *Neurospora crassa*. *Mol. Cell Biol.*, 8 (1988) 1469-1473; *C.A.*, 108 (1988) 181314x.

38. INORGANIC COMPOUNDS

38a. *Cations*

See 1351.

39. RADIOACTIVE AND OTHER ISOTOPE COMPOUNDS

See 1388.

PUBLICATION SCHEDULE FOR 1988

Journal of Chromatography and Journal of Chromatography, Biomedical Applications

MONTH	J	F	M	A	M	J	J	A	S	O	N	D
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Bibliography Section		460/1		460/2		460/3		460/4		460/5		460/6
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INFORMATION FOR AUTHORS

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