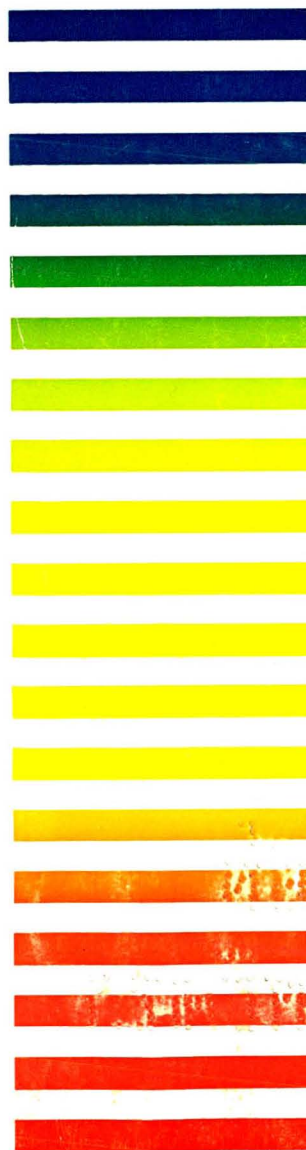




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Liquid Column Chromatography

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3d. Quantitative analysis

See 1872.

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4f. *Trace analysis and preseparation techniques*

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See 1214.

7. PHENOLS

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See also 1214, 1347.

8. SUBSTANCES CONTAINING HETEROCYCLIC OXYGEN

8a. Flavonoids

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9. OXO COMPOUNDS, ETHERS, EPOXIDES AND QUINONES

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19. PROTEINS

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20. ENZYMES AND ENZYME ACTIVITY ESTIMATION

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For additional information see:

C.A., 111 (1989) 146199d, 201721v.

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See 2037.

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See also 1883.

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For additional information see:

C.A., 111 (1989) 155723x.

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C.A., 111 (1989) 154755x, 154847d, 175237v.

See also 1234.

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See also 1201, 2023.

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See also 1868, 1991, 2006.

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For additional information see:

C.A., 111 (1989) 160370j, 180853x, 201744e.

See also 1953.

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For additional information see:

C.A., 111 (1989) 160364k, 160412z, 201743d.

See also 2017.

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See 656.

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5. HYDROCARBONS AND HALOGEN DERIVATIVES

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37. CELLS, CELLULAR PARTICLES AND SUPRAMOLECULAR STRUCTURES

See 662, 669, 670, 676, 680, 695, 710.

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See 419.

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See also 266, 280, 364, 365, 366, 394.

33. CLINICO-CHEMICAL APPLICATIONS

See 319.

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

See 340, 343.

34. FOOD ANALYSIS

See 286, 428.

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

See 284, 285, 330, 354, 372, 398, 426, 428, 429, 447.

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Polymer Thermodynamics by Gas Chromatography

by R. Vilcu and M. Leca, Polytechnic Institute, Bucharest, Romania

(Studies in Polymer Science, 4)

This book presents direct and inverse gas chromatography as a powerful tool for determining a great number of thermodynamic properties and quantities for micro- and especially for macromolecular substances. In order to ensure the continuity and clarity of the presentation, the book first considers some frequently used concepts of chromatography with a mobile gas phase, i.e. the mechanism of separation, retention parameters and the theories of gas chromatography. The employment of this technique as an important method of studying solutions through the most representative statistical models is also discussed. The thermodynamics of direct gas chromatography, as applied to dissolution, adsorption and vaporization underlies the thermodynamic treatment of inverse gas chromatography.

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This book is intended for those specialists in research and industry who are concerned with the modification and characterization of polymers, with establishing polymer applications, and with the processing of polymers. It will also be useful to students and specialists interested in the physico-chemical basis of the phenomena involved in gas chromatography in general and its inverse variant in particular.

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