

Electrophoresis

1. REVIEWS AND BOOKS

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- 1026 Marina, M.L. and Torre, M.: Capillary electrophoresis. *Talanta*, 41 (1994) 1411-1433; C.A., 121 (1994) 225317a - a review with 221 refs.
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- 1029 Sutherland, J.C.: Electronic imaging of electrophoretic gels and blots. *Adv. Electrophor.*, 6 (1993) 1-42; C.A., 121 (1994) 220607k - a review with 134 refs.
- 1030 Szepes, L.: (Development and importance of separation techniques in instrumental analysis). *Magy. Kem. Foly.*, 100 (1994) 340-353; C.A., 121 (1994) 270751y - a review with 121 refs.
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See also 1061, 1086, 1090, 1095, 1097, 1110, 1115, 1119, 1121, 1124, 1126, 1130, 1132, 1151, 1167, 1232, 1244, 1270, 1281, 1369, 1370, 1490, 1643, 1659, 1680, 1714, 1773, 1776, 1777, 1785, 1788, 1799.

2. FUNDAMENTALS, THEORY AND GENERAL

2a. General

- 1033 Bello, M.S., Zhukov, M.Yu. and Righetti, P.G.: Combined effects of non-linear electrophoresis and non-linear chromatography on concentration profiles in capillary electrophoresis. *J. Chromatogr. A*, 693 (1995) 113-130.
- 1034 Hirokawa, T.: Bidirectional isotachophoresis. II. Fifteen electrolyte systems covering the pH range 3.5-10. *J. Chromatogr. A*, 686 (1994) 158-163.

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- 1036 Zimm, B.H.: Diffusion and electrophoresis of a polyelectrolyte in an irregular matrix: II. *Polym. Prepr. (Am. Chem. Soc., Div. Polym. Chem.)*, 35 (1994) 173-174; C.A., 122 (1995) 11093w.

See also 1030, 1085, 1682.

2b. Thermodynamics and theoretical relationships

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See also 1086, 1146, 1767.

2d. Measurement of physico-chemical and related values

- 1042 Alarcon-Waess, O. and Velasco, R.M.: Electrokinetic properties of a charged tracer in a time-dependent external field. *J. Chem. Phys.*, 101 (1994) 5110-5115; C.A., 122 (1995) 39708z.
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- 1047 Yadav, A. and Yadav, N.R.: Evaluation of stability constants-Cu/Co complexes (simple and mixed) with AMP/NTA using paper electrophoresis. *J. Electrochem. Soc. India*, 42 (1993) 183-186; C.A., 122 (1995) 39983k.

See also 1107, 1174, 1252, 1507, 1766.

3. GENERAL TECHNIQUES

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See also 1099, 1112, 1229, 1280, 1668, 1690, 1735.

See also 1029, 1059, 1089, 1093, 1109, 1120, 1123, 1207, 1256, 1257, 1258, 1261, 1277, 1390, 1585, 1589, 1649.

3c. Stabilization media for electrophoresis

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See also 1056, 1121, 1134, 1136, 1587, 1702, 1707.

3d. Quantitative analysis

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3e. Preparative scale electrophoresis

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See also 1163, 1229.

4 SPECIAL TECHNIQUES

4a. Automation

See 1690.

4b. Computerization and modelling

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See also 1029, 1060, 1114, 1135, 1165, 1220, 1336, 1698.

4c. Combination with other physicochemical techniques, (MS, IR etc.)

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4d. Affinity electrophoresis

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See also 1469.

4e. Capillary zone electrophoresis and electrokinetic chromatography

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21. PURINES, PYRIMIDINES, NUCLEIC ACIDS AND THEIR CONSTITUENTS

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34. FOOD ANALYSIS

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

See 1253, 1336, 1340, 1422, 1425.

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