



BIBLIOGRAPHY

1. Sneed, M.C., and Brasted, R.C., "Comprehensive Inorganic Chemistry", Vol. V, Van Nostrand Company, Inc., New York, 1959.
2. Ibid., Vol. VII, Van Nostrand Company, Inc., New York, 1961.
3. Durrant, P.J., and Durrant, B., "Introduction to Advanced Inorganic Chemistry", 2nd ed., William Clowes & Sons, Limited, London, 1970, pp. 604, 679.
4. Coleman, R.F., Anal Chem, 46 (12), 995A (1974).
5. Copeland, T.R., and Skogerboe, R.K., Ibid., 1257A (1974).
6. Adams, R.N., "Electrochemistry at Solid Electrodes", Marcel Dekker, Inc., New York, 1969, p. 77.
7. Cowland, F.C., and Lewis, J.C., J. of Mat. Sc., 2, 507 (1967).
8. Leepipatpiboon, S., M.S. Thesis, Chulalongkorn University, Bangkok, Thailand (1974).
9. Kanatharana, P., and Spritzer, M.S., Anal. Lett., 6 (5), 421 (1973).
10. Vogel, A.I., "A Text-Book of Quantitative Inorganic Analysis," 3rd ed., Lowe & Brydone Ltd., London, 1971.
11. Stock, J.P., "Amperometric titration", Vol. ~~XX~~ Interscience Publishers, New York, 1965, pp. 393 - 394.
12. Arnold, J.P., and Johnson, R.M., Talanta, 16, 1191 (1969).

- 
13. Dzhumashev, A., Sb. Statei As pirantov. Kirg. Univ. Fiz-Mat. Estestv. Nauk, 3, 89 (1969).
(Chem. Abs., 75: 93972 e).
14. Elenkova, N.G., Tsoneva, R.A., and Dzhimbozova, D.I., Inorg. Nucl. Chem., 34 (6), 1907 (1972).
15. Susic, M.V., and Pjescic, M.G., Electroanal. Chem., 34 (2), 535 (1972).
16. Goto, M., Harada, M., and Ishii, D., Nippon Kagaku Zasshi, 91 (4), 347 (1970).
(Chem. Abs. 73: 41219 d).
17. Dzhumashev, A., and Gladyshev, V.P., Sb. Statei As pirantav. Kirg. Univ. Fiz-Mat. Estestv. Nauk, 3, 101 (1969).
(Chem. Abs., 74: 14203 d).
18. Heckner, H.N., Fresenius' Z. Anal. Chem., 261 (1), 29 (1972).
(Chem. Abs., 77: 130327 n).
19. Ledieu, A., Bull. Soc. Chim Fr., 9, 3383 (1971).
(Chem. Abs., 76: 54109 e).
20. Ibid., 9, 3387 (1971).
(Chem. Abs., 76: 54110 y).
21. D' yakava, A.P., and Kharin, A.N., Sovrem. Metody Khim. Tekhnol. Kontr. Proizvod., 1968, 36.
(Chem. Abs., 72: 8867 v).
22. D' yakava, A.P., et al., Zh. Prikl. Khim., 43 (4), 917 (1970).
(Chem. Abs., 73: 31240 q).

23. Nadezhina, L.S., Grinzaid, E.L., and Novakovokaya, E.G.,
Tr. Leningrad. Politekh. Inst., 1970 (304), 141.
24. Pats, R.G., and Senochkina, T.V., U.S.S.R. 331, 301
(Cl. G 01 n, C 01 b.), 07 Mar 1972, Appl. 04 Sep. 1969.
(Chem. Abs., ~~77~~ 69797 x).
25. Myers, D.J., Osteryoung, J., Anal. Chem., 45 (2), 267 (1973).
26. Trushina, L.F., and Kaplan, A.A., Zh. Anal. Khim., 25 (8),
1616 (1970).
(Chem. Abs., 74: 3960 v).
27. Zaretskii, L.Z., Roizenbolt, E.M., and Zelenskii, V.V., Anal.
Khim. Reaktivov Prop. 1971 (20), 61.
(Chem. Abs., 76: 3389 d).
28. Kaplan., A.A., Veits, N.A., and Stromberg, A.G., Zh. Anal. Khim.,
28 (11), 2192 (1973).
(Chem. Abs., 80: 90704 m).
29. Kuwabara, T., Suzuki, S., and Araki, S., Bull. Chem. Soc.
Jap., 46 (6), 1690 (1973).
30. Pyatnitskii, I.V., and Ruzhanskaya, R.P., Ukr. Khim. Zh.,
35 (2), 203 (1969).
(Chem. Abs., 71: 9078 e).
31. Vassershtein, S.E., and Chikryzova, E.G., Zh Anal. Khim.,
24 (4), 496 (1969).
(Chem. Abs., 71: 27156 h).
32. Tyurin, R.S., Issled. Khim. Koord. Soedin. Fiz-Khim. Metod.
Anal. 1969, 93.
(Chem. Abs., 74: 106843 v).

33. Kaplin, A.A., et al., Elektron. Tekh., Ser. 12 Upr. Kach. Stand., 1970 (5), 27.
(Chem. Abs., 74: 94024 p).
34. Ueda, S., et al., Nippon Kagaku Zasshi, 92 (5), 422 (1971).
(Chem. Abs., 75: 83809 t).
35. Colom, De la Cruz, and Marina, An Quin, 65 (9 - 10), 763
(1969).
(Chem. Abs., 72: 27744 u).
36. Colom, F., De la Cruz, and Marina, Electrochem Acta, 15 (7),
1155 (1970).
(Chem. Abs., 73: 51603 p).
37. Gladyshev, V.P., Nauryzbaev, M.K., and Akbasova, A.D., Izv.
Akad. Nauk Kaz. SSR, Ser Khim, 23 (2), 66 (1973).
(Chem. Abs., 79: 37996 m).
38. Gladyshev, V.P., et al., 
Ibid., 21 (5), 35 (1971).
(Chem. Abs., 76: 135051 g).
39. Epimakhov, V.N., and Mishinov, Yu. M., Zh. Anal Khim, 26 (9),
1691 (1971).
(Chem. Abs., 75: 157792 f).
40. Lyalikov, Ya. S., Chernaga, L.P., and Bodyu, V.I., Tr. Kishinev.
Politekh. Inst., 1963 (13), 167.
(Chem. Abs., 74: 9297 n).

41. Bond, A.M., and Waugh, A.B., *Electrochim Acta*, 15 (9), 1471 (1970).
(Chem. Abs., 74: 104942 g).
42. Jacobsen, E., and Rojahn, T., *Anal. Chem. Acta*, 54 (2), 261 (1971).
(Chem. Abs., 74: 134505 e).
43. Chikryzova, E.G., and Meryan, V.T., *Zh. Anal. Khim.*, 25 (10), 1927 (1970).
(Chem. Abs., 74: 37717 t).
44. Nguen, V.K., Kovalenko, P.N., and Lektorskaya, N.A., *Izv. Vyssh. Ucheb. Zaved., Khim. Khim. Tekhnol.*, 14 (10), 1513 (1971).
(Chem. Abs., 76: 30121 b).
45. Kamenev, A.I., Finogonova, Z.M., and Vinogradova, E.N., *Vestn. Mosk. Univ. Kim.*, 11 (3), 342 (1970).
(Chem. Abs., 73: 116064 k).
46. Kamenev, A.I., Granovskii, Yu. V., and Kozintseva, V.I., *Ibid.*, 12 (2), 192 (1971).
(Chem. Abs., 75: 44554 m).
47. Chikryzova, E.G., and Meryan, V.T., *Zh. Anal. Khim.*, 27 (8), 1542 (1972).
(Chem. Abs., 77: 172224 g).
48. Zakharov, M.S., Kivritskaya, L.L., and Lel' Chuk, Kh. A., *Izv. Tomsk. Politekh. Inst.*, 148, 18 (1967).
(Chem. Abs., 71: 27147 f).

49. Zakharov, M.S., and Zaichko, L.F., *Ibid.*, 164, 221 (1967).
(Chem. Abs., 71: 8922 p).
50. Karbainov, Ya. A., Stromberg, A.G., and Karbainova, S.N.,
Izv. Vyssh. Ucheb. Zaved, Khim. Khim. Tekhnol., 13 (3), 345
(1970).
(Chem. Abs., 73: 62299 v).
51. Zakharchuk., N.F., and Zebreva, A.I., *Khim. Tekhnol.*
(Alma-Ata), 1970 (1), 41.
(Chem. Abs., 75: 70925 c).
52. Mal'kov, E.M., Fedosuva, A.G., and Stromberg, A.G., *Zh.*
Anal. Khim., 25 (9), 1749 (1970).
53. Kaplin, A.A., et al., *Elektron. Tekh., Ser. 12, Upr. Kach.*
Stand., 12 (1), 43 (1971).
(Chem. Abs., 75: 126051 j).
54. Khim, L.P., and Rannev, G.G., *Avtomat. Kontrol Upr. Oobsghashch.*
Gidromet. Tsvet. Metal., 1971, 69.
(Chem. Abs., 76: 67748 n).
55. Zaichko, L.F., Zakharov., M.S., *Izv. Tomsk. Politekh. Inst.*,
174, 63 (1971).
(Chem. Abs., 76: 22277 z).
56. Monien, H., and Jacob, P., *Fresenius'Z. Anal. Chem.*, 255 (1),
33 (1971)
(Chem. Abs., 75: 83454 y).
57. Komatsu, M., *Bull Chem. Soc. Jap.*, 46, 1670 (1973).

58. Dragulescu, C., and Nimara, A., Rev. Roum. Chim., 18 (4),
583 (1973).
(Chem. Abs., 79: 38008 c).
59. Chikryzoya, E.G., and Vassershtein, Sh. E., Zh. Anal. Khim.,
26 (8), 1479 (1971).
(Chem. Abs., 75: 147113 w).
60. Deshmukh, G. S., and Naik, V.S., Fresenius' Z. Anal. Chem.,
259 (2), 123 (1972).
(Chem. Abs., 77: 42783 c).
61. Zagainova, L. S., and Kuz'micheva, A.V., Vop. Khim. Khim.
Tekhnol., 1973 (28), 88.
(Chem. Abs., 80: 9808 d).
62. Shilina, G.V., and Dalimarskii, Yu. K., Ukr. Khim. Zh. 36 (8),
781(1970).
(Chem. Abs., 74: 27475 y).
63. Lovering, D.G., Collect. Czech. Chem. Commun, 37 (11), 1697
(1972).
(Chem. Abs., 78: 51737 p).
64. Vasil'eva, L. N., and Yustus, Z.L., U.S.S.R. 322, 711
(Cl. G 01 n, G 01 g), 30 Nov. 1971, Appl, 23 Dec. 1969.
(Chem. Abs., 76: 80822 b).
65. Bond, A. M., O' Donnell T. A., Anal. Chem, 41 (13), 1801
(1969).
66. Il'kova, S. B., Zazimko, E.A., Zh. Anal. Khim., 26 (8),
1660 (1971).
(Chem. Abs., 75: 147497 z).

67. Plank, W.M., Ass. Offic. Anal. Chem., 55 (1), 155 (1972).
(Chem. Abs., 76: 76434 j).
68. Novik, R.M., and Dugaeva, L.L., Ostsillogr. Peremennotok.
Polyarogr., 1971, 82.
(Chem. Abs., 77: 94173 c).
69. Stromberg, A.G., Kuleshov., V.I., and Kon' kova, A.V., Izv.
Tomsk. Politekh. Inst., 164, 133 (1967).
(Chem. Abs., 70: 111153 s).
70. Stromberg., A.G., Karbainov., Yu. A., and Gridaev, V.F.,
Ibid., 164, 231 (1967).
(Chem. Abs., 71: 18514 w).
71. Zieglerova, L., Stulik, K., and Dolezal, J., Talanta, 18 (6),
603 (1971).
72. Florence, T.M., Electroanal. Chem., 49 (2), 255 (1974).
73. Bartocci, V., Marassi, R., and Pucciarelli, F., Chim. Ind.,
52 (12), 1201 (1970).
(Chem. Abs., 74: 49019 e)
74. Bond, A.M., and O' Donnell, T. A., Anal. Chem., 44 (3), 590
(1972).
75. Kuleva, Z. P., and Kopanskaya, L. S., Issled. Slozhnykh.
Poluprov., 1970, 127,
(Chem. Abs., 75: 94348 t).
76. Kovalenko, P. N., Danilov, O.A., and Tsygankov., E.M., Izv.
Vyssh. Ucheb. Zaved., Khim. Khim. Tekhnol. 14 (9), 1344 (1971).
(Chem. Abs., 76: 20665 t).

77. Nub, R., and Hinkel, S., Fresenius' Z. Anal. Chem. 262 (5), 343 (1972).
(Chem. Abs., 78: 79273 h).
78. Gerenrot., Yu. E., Ukr. Khim. Zh., 37 (7), 653 (1971).
(Chem. Abs., 76: 20672 t).
79. Klapka, V., and Valeskove, E., Oberflaeche-Surface, 10 (11), 766 (1969).
(Chem. Abs., 72: 128003 g).
80. Kaplan, B.Ya, Savast' yanova, T.N., and Shiyayeva, O.A.,
Zavod. Lab., 37 (1), 13 (1971).
(Chem. Abs., 74: 134633 v).
81. Bond, A.M., Anal. Chem. 42 (11), 1165 (1970).
(Chem. Abs., 73: 83589 e).
82. Bond, A.M., et al., Anal. Chem., 42 (11), 1168 (1970).
83. Monien, H., ^{and} Zinke, K., Fresenius' Z. Anal. Chem., 250 (3), 178 (1970).
(Chem. Abs., 73: 41555 k).
84. Fano, V., ^{and} Zanotti, L., Microchem. J., 18 (4), 345 (1973).
(Chem. Abs., 79: 132624 x).
85. Florence, T.M., ^{and} Farrar, Y.J., Electroanal. Chem., 51 (1), 191 (1974).
86. Kolthoff, I.M., and Lingane, J.J., "Polarography", Interscience Publishers, New York, 1952.

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