

## BIBIOGRAPHY

1. Van Oss, J.F., "Materials and Technology", Vol. 3, Longman Group Ltd., London, 1970, p. 237.
2. Rollinson, C.L., "Comprehensive Inorganic Chemistry", Bailor, J.C., et al., eds., Vol. 3, Pergamon Press, Oxford, 1973, p. 706.
3. Snell, F.D., and Ettre, L.S., "Encyclopedia of Industrial Chemical Analysis", Vol. 19, Interscience Publishers, New York, 1974, pp. 87, 194, 324 - 325.
4. Remy, H., "Treatise on Inorganic Chemistry", Vol. 2, Elsevier Publishing Co., 1956, p. 54.
5. Durrant, P.J., and Durrant, B., "Introduction to Advanced Inorganic Chemistry", 2nd. ed., Longmans Co., Ltd., London, 1970, pp. 989 - 1014.
6. Latimer, M., and Hildebrand, H., "Reference Book of Inorganic Chemistry", 3rd. ed., Macmillan Co., New York, 1951, pp. 335 - 378.
7. Hunsberger, J.F., "Handbook of Chemistry and Physics", 51st. ed., Weast, R.C., ed., The Chemical Rubber Co., Ohio, 1970 - 1971, pp. D 111 - 113.
8. Coleman, R.F., Anal Chem, 46 (12), 995 A (1974).
9. Adams, R.N., "Electrochemistry at Solid Electrodes", Marcel Dekker, Inc., New York, 1969, pp. 21 - 27, 43 - 45, 130 - 134.
10. Chirapumin, M., M.S. Thesis, Chulalongkorn University, Bangkok, Thailand (1974).
11. Leepipatpiboon, S., M.S. Thesis, Chulalongkorn University, Bangkok, Thailand (1974).

12. Kanatharana, P., and Spritzer, M.S., Anal. Lett., 6 (5), 421 (1973).
13. Codell Maurice, "Analytical Chemistry of Titanium Metals and Compounds", Interscience Publishers, New York, 1959, p. 16.
14. Vogel, A.I., "A Text-Book of Quantitative Inorganic Analysis", 3rd. ed., Longman Group Ltd., London, 1961, pp. 912, 914.
15. Lingane, J.J., "Electroanalytical Chemistry", Interscience Publishers, Inc., New York, 1958, p. 240.
16. Gary, A.M., et al., Bull. Soc. Chim. Fr., 1972 (7), 2989 - 2993.  
(Anal. Abst., 24: 780)
17. Jost, P., et al., Chem. Uses Molybdenum, Proc. Conf., 1st 1973,  
90 - 2.  
(Chem. Abst., 82: 10808 b)
18. Masao, K., Heiichi, M., and Rokuro, K., Japan Analyst, 8 (1),  
25 - 30 (1959).
19. Jain, P.C., and Banerjee, S.P., J. Indian Chem. Soc., 50 (5),  
357 - 8 (1973).  
(Chem. Abst., 80: 33236 m)
20. Kolthoff, I.M., and Hodara, I., J. Electroanal. Chem., 4 (6),  
369 - 381 (1962).
21. Gupta, C.M., and Gupta, J.K., J. Indian Chem. Soc., 44 (6),  
526 - 31 (1967).  
(Chem. Abst., 67: 78494 s)
22. Hiroshi, A., Bunseki Kagaku, 15 (10), 1073 - 82 (1966).  
(Chem. Abst., 66: 121823 s)

23. Piovesana, O., Gazz. Chim. Ital., 99 (1), 86 - 96 (1969).  
(Chem. Abst., 70: 102495 c)
24. Sinyakova, S.I., and Bikbulatova, R.U., Izv. Akad. Nauk Tadzh. SSR, Otd. Fiz - Mat. Geol. - Khim. Nauk, 1969 (1), 49 - 57.  
(Chem. Abst., 72: 50351 x)
25. Sinyakova, S.I., and Bikbulatova, R.U., ibid., 1969 (2), 48 - 59.  
(Chem. Abst., 73: 51608 u)
26. Moosmueller, A., and Hahn, H., Z. Anorg. Allg. Chem., 273 (2), 148 - 67 (1970).  
(Chem. Abst., 72: 138961 g)
27. Chikryzova, E.G., and Kiriyak, L.G., Zh. Anal. Khim., 27 (9), 1747 - 53 (1972).  
(Chem. Abst., 78: 37570 x)
28. Ivanova, Z.I., Chernikova, E.N., and Lektorskaya, N.A., Izv. Vyssh. Uchebn. Zaved., Khim. Khim. Teknol., 17 (7), 985 - 8 (1974).  
(Chem. Abst., 82: 25414 u)
29. Mahanti, H.S., and Deshmukh, G.S., Chem. Ind. (London), 1975 (1), 40 - 1.  
(Chem. Abst., 82: 117815 d)
30. Farr, J.P.G., and Laditan, G.O.A., Chem. Uses Molybdenum, Proc. Conf., 1st 1973, 79 - 85.  
(Chem. Abst., 82: 36610 f, 1975)
31. Chikryzova, E.G., Bardina, S.M., Teoriya i Praktika Polyarogr. Metodov Analiza, 1973, 3 - 14.  
(Chem. Abst., 82: 147089 n)

32. Pyatnitskii, I.V., and Tao, W.C., Zh. Anal Khim., 24 (4), 545 - 9 (1969).  
(Chem. Abst., 71: 27244 k)
33. Suprunovich, V.I., and Usatenko, Yu. I., Khim. Tekhnol., Respub. Mezhvedom. Nauch. - Tekh. Sb. No. 4, 27 - 33 (1966).  
(Chem. Abst., 68: 18272 d)
34. Mambetkaziev, E.A., Songina, O.A., and Zakharov, V.A., Sb. Statei Aspir. Soiskatelei, Min. Vyssh. Sredn. Spets. Obrazov. Kaz. SSR., Khim, Khim. Tekhnol., 1967 (6), 130 - 4.  
(Chem. Abst., 70: 43773 s)
35. Shafran, I.G., Rozenblyum, V.P., and Shtenberg, G.A., Tr. Vses. Nauch - Issled. Inst. Khim. Reaktivov Osobo Chist. Khim. Veshchestva, 1969 (13), 171 - 82.  
(Chem. Abst., 74: 136787 t)
36. Kulev, I., and Dobreva, Ya., God. Vissh. Khim. - Tekhnol. Inst., Burgas, Bulg., 7 (7), 53 - 61 (1970).  
(Chem. Abst., 79: 11406 n)
37. Sharipova, N.S., and Songina, O.A., Zh. Anal. Khim., 28 (12), 2348 - 51 (1973).  
(Chem. Abst., 80: 90734 w)
38. Vasil'eva, L.N., and Pozdnyakova, A.A., Sb. Nauch. Tr. Gos Nauch - Issled. Inst. Tsvet. Metal., 1967 (27), 44 - 9.  
(Chem. Abst., 70: 25430 y)
39. Chernikova, E.N., Ivanova, Z.I., and Lektorskaya, Z.I., Fiz - Khim. Metody Anal. Kontr. Proizvod., Mater. Konf. Rab. Vuzov.

- (Vyssh. Uch Zaved.) Zavod. Lab. Yugo-Vostoka SSSR, 4th 1971  
(1), 25 - 6.  
(Chem. Abst., 80: 90876 u)
40. Rudin, V.D., Khristenko, G.S., Tr. Stavropol. Sel's kokhoz. Inst., 34 (2), 161 - 2 (1972).  
(Chem. Abst., 78: 118854 v)
41. Ibid., 163 - 5 (1972).  
(Chem. Abst., 78: 118855 w)
42. Zarubina, Yu. S., Kubrina, N.N., and Fridman, G.I., Tekhnol. Legk. Splavov, Nauch - Tekh. Byul. Vses. Inst. Legk. Splavov, 1972 (3), 127 - 9.  
(Chem. Abst., 78: 131699 t)
43. Chernikova, E.N., Ivanova, Z.I., and Lektorskaya, Z.I., Fiz - Khim. Metody Anal. Kontr. Proizvod., Mater. Konf. Rab. Vuzov. (Vyssh. Uch. Zavea.) Zavod. Lab. Yugo-Vostoka SSSR, 4th 1971  
(1), 23 - 4.  
(Chem. Abst., 80: 33236 m)
44. Apte, V.P. and Dhaneshwar, R.G., Indian J. Chem., 7 (4), 417 - 18 (1969).  
(Chem. Abst., 71: 9022 g)
45. Hull, M.N., J. Electroanal. Chem., 51 (1), 57 - 73 (1974).
46. Geyer, R., Henze, G., and Henze, J., Wiss. Z. Tech. Hochsch. Chem. Leuna-Merseb., 8 (2 - 3), 98 - 101 (1966).  
(Anal. Abst., 15: 1285)
47. Lagnange, P., and Schwig, J.P., Anal. Chem., 42 (14), 1844 - 5 (1970).

48. Pnev, V.V., Popov, G.N., and Nagarev, V.G., Zh. Anal. Khim., 28 (10), 2050 - 2.  
(Chem. Abst., 80: 66449 m)
49. Pantani, F., and Desideri, P., Ric. Sci., R.C., 1 (3), 249 - 256 (1961).  
(Anal. Abst., 9: 4664)
50. Deshmukh, G.S., and Srivastava, J.P., Zh. Anal. Khim., 15 (5), 601 - 604 (1960).  
(Anal. Abst., 8: 1938).
51. Matschiner, H., and Grossmann, M., Chem. Tech., Berl., 19 (6), 363 - 364 (1967).  
(Anal. Abst., 15: 5233)
52. Kulev, I.I., and Speranskaya, E.F., Zh. analit. Khim., 22 (9), 1371 - 1377 (1967).  
(Anal. Abst., 16: 3006)
53. Kurbatov, D.I., and Tugusheva, G.A., Electrokimiya, 10 (10), 1529 - 33 (1974).  
(Chem. Abst., 82: 117758 n)
54. Kulev, I., and Isaikov, Ts., God Vissh. Khim. - Tekhnol. Inst., Burgas, Bulg., 7 (?), 63 - 8 (1970).  
(Chem. Abst., 79: 111408 p)
55. Kulev, I., Gavanarov, P., and Stanev, D., Rododobiv, 1973 (4), 28 - 9.  
(Chem. Abst., 80: 66468 s)

56. Stashkova, N.V., Feofanova, V.V., and Kurbatova, V.I., Tr. Vses. Nauch - Issled Inst. stand. Obraztsov, 1967 (3), 47 - 49. (Anal. Abst., 16: 1221)
57. Vajda, F., Pubs. Hung. Mining Res. Inst., 1971 (14), 201 - 7. (Chem. Abst., 77: 13606 s)
58. Stashkova, N.V., Agranovich, T.V., and Maksimova, V.N., Tr. Vses. Nauch - Issled. Inst. Stand. Obraztsov. Spektral. Etalonov., 1970 (6), 104 - 13. (Chem. Abst., 77: 121757 a)
59. Vajda, F., Hung. Sci. Instrum., 1971 (21), 33 - 7. (Chem. Abst., 77: 56062 d)
60. Vajda, F., Publ. Hung. Mining Res. Inst., 1972 (15), 217 - 20. (Chem. Abst., 79: 26830 b)
61. Songina, O.A., et al., Electrokimiya, 9 (9), 1310 - 12 (1973). (Chem. Abst., 79: 142296 f)
62. Dragulescu, C., and Pirla, M., Zh. Anal. Khim., 22 (9), 1362 - 5 (1967). (Chem. Abst., 68: 35602 d)
63. Yamauchi, and Syozo, Bunseki Kagaku, 18 (2), 129 - 35 (1969). (Chem. Abst., 70: 102785 x)
64. Lal, S., and Jain, P.S., Fresenius' Z. Anal Chem., 262 (1), 30 - 1 (1972). (Chem. Abst., 78: 37169 y)
65. Bokei, Lj., and Filipovic, I., J. Electroanal. Chem., 43 (2), 197 - 203 (1973).

66. Zelinka, J., Bartusek, M., and Okac, A., Collect. Czech. Chem. Commun., 39 (1), 83 - 91 (1974).
67. Gladyshev, V.P., and Rokhmatullin, Ya., Izv. Akad. Nauk Kaz. SSR, Ser. Khim., 22 (4), 21 - 6 (1972).  
(Chem. Abst., 77: 147026 m)
68. Gupta, C.M., and Joshi, M.P., J. Prakt. Chem., 38 (5 - 6), 358 - 61 (1968).  
(Chem. Abst., 70: 43841 n)
69. Suprunovich, V.I., Usatenko, Yu. I., and Velichko, V.V., Zavod. Lab., 36 (6), 652 - 6 (1970).  
(Chem. Abst., 73: 105206 g)
70. Usatenko, Yu. I., et al., Khim. Tekhnol., 1971 (17) 183 - 90.  
(Chem. Abst., 76: 67692 q)
71. Vasil'eva, E.I., and Shashura, M.V., Sb. Tr. Tsentr. Nauch. - Issled. Inst. Chern. Met., 1972 (79), 18 - 20.  
(Chem. Abst., 77: 69693 k)
72. Songina, O.A., et al., Zh. Anal. Khim., 27 (12), 2392 - 4 (1972).  
(Chem. Abst., 78: 105710 w)
73. Bishop, E., and Hitchcock, P.H., Analyst, 98, 572 - 579 (1973).
74. Makarov, V.A., Tr. Stavropol. Sel'skokhoz. Inst., 34 (2), 184 - 9 (1972).  
(Chem. Abst., 76: 118894 h)
75. Bagdasorov, K.N., and Gudkova, L.P., Fiz-Khim. Metody Anal. Kontr. Proizvod., Mater. Konf. Rab. Vuzov Zavod. Lab. Yugo-Vostoka SSSR, 4th 1971 (1), 11 - 13.  
(Chem. Abst., 80: 907141 w)

76. Sopil' nyak, D.S., and Makarov, V.A., Tr. Stavrop. Skh. Inst., 2 (36), 156 - 63 (1973).  
(Chem. Abst., 81: 145251 q)
77. Bishop, E., and Hitchcock, P.H., Analyst, 98 (1169), 563 - 71 (1973).
78. Bekturova, G.B., et al., Izv. Akad. Nauk Kaz. SSR, Ser Khim. 23 (6), 78 - 81 (1973).  
(Chem. Abst., 80: 90344 u)
79. Nucci, L., and Raspi G., J. Electroanal. Chem., 26 (2), 499 - 502 (1972).
80. Kartushinskaya, A.I., and Stromburg, A.G., Zh. Neorgan. Khim., 7, 291 - 7 (1962).  
(Chem. Abst., 56: 15286 c)
81. Bishop, E., and Hitchcock, P.H., Analyst, 98 (1170), 625 - 34 (1973).
82. Asaoka, and Hiroshi, Bunseki Kagaku, 20 (4), 487 - 9 (1971).  
(Chem. Abst., 75: 71016 u)
83. Grassi, R.L., Facchinetti, L.M., and Tarulli, S.M., An, Quim., 69 (9 - 10), 791 - 6 (1973).  
(Chem. Abst., 80: 66140 d)
84. Tur'yan, Ya. I., Zaitsev, P.M., and Zaitseva, Z.V., Elektrokhimiya, 9 (8), 1143 - 6 (1973).  
(Chem. Abst., 80: 22112 s)
85. Kurbatov, D.I., and Skorynina, I.S., Zhur. Anal. Khim., 17 (6), 711 - 7 (1962).  
(Anal. Abst., 12: 2580)

86. Banerjee, D.K., Budke, C.C., and Miller, F.D., *Anal. Chem.*, 31 (11), 1836 - 9 (1959).
87. Kurbatov, D.I., *Ural'sk. Fil.*, 1963 (7), 171 - 4.  
(*Anal. Abst.* 12: 3278)
88. Hitchen, A., *Tech. Bull.*, 1972, TB 152, 1 - 27.  
(*Chem. Abst.*, 78: 75397 d)
89. Sabitova, Z.E., et al., *Zavod. Lab.*, 39 (5), 632 - 3 (1973).  
(*Chem. Abst.*, 79: 61191 r)
90. Liegeois, and Chantal, *Bull. Soc. Chim. Fr.*, 1972 (11), 4081 - 3.  
(*Chem. Abst.*, 79: 48932 p)
91. Liegeois, and Chantal, *C.R. Acad. Sci. Ser. C*, 277 (7), 299 - 301  
(1973).  
(*Chem. Abst.*, 79: 152255 f)
92. Thomas, N.T., and Nobe, K., *J. Electrochem. Soc.*, 119 (11),  
1450 - 6 (1972).
93. Chatopadhyay, S.S., *Indian. J. Chem.*, 10 (10), 1021 - 4 (1972).  
(*Chem. Abst.*, 78: 91771 b)
94. Hoff, H.K., and Jacobsen, E., *Anal. Chim. Acta*, 54 (3), 511 - 519  
(1971).
95. Kurbatov, D.I., and Il'kova, S.B., *Zh. Anal. Khim.*, 27 (3),  
483 - 6 (1972).  
(*Chem. Abst.*, 77: 13580 d)
96. Dramow, S., and Arajo, M., *Metalloberflaeche - Angew. Elektrochem.*,  
27 (9), 329 - 3 (1973).  
(*Chem. Abst.*, 80: 43352 k)
97. Hiroya, T., and Soichiyo, M., *Japan Analyst*, 10 (2), 160 - 165 (1961).  
(*Chem. Abst.*, 80: 43352 k)

VITA

NAME: Miss Surapee Mechaimonchit  
DEGREE: B.Sc. (Chemistry), Chulalongkorn University, 1972  
POSITION: Lecturer, Department of Chemistry, Faculty of  
Science, Silapakorn University  
RESEARCH GRANT: Supported by University Development Commission  
(UDC) 1973 - 1974.