

REFERENCES

- Aral, H., Bruckard, W. J., Freeman, D. E., Grey, I. E., Houchin, M. R., McDonald, K. J., Sparrow, G. J., Hart, K. P. and Harris, H. R. 1998. "Leaching of Titaniferous Meterrals". U.S. Pat 5,826,162. Oct. 28, 1998.
- Arroyo, A., Cordoba, G., Padilla, J. and Lara, V. H. 2002. "Influence of Managanese Ions on the Anatase-Rutile Phase Transition of TiO₂ Prepared by Sol-Gel Process", Materials Latters. 54, 397-402.
- Balderson, G. F. and MacDonald, C. A. 1999. "Method for the Production of Synthetic Rutile". U.S. Pat. 5,885,324. Mar. 23, 1999.
- Baldwin, R. A., Laughlin, W. C., Patel, K. P. and Shreve, P.J. 1988. "Improved Process for Beneficiating Iron-containing Titaniferous ore". U.S. Pat. 4,762,552. Aug. 9, 1988.
- Biswas, R. K., Habib, M. A. and Dafader, N. C. 1992. "A Study on the Recovery of Titanium from Hydrofluoric Acid Leach Solution of Ilmenite Sand", Hydrometallurgy. 28, 119-126.
- Biswas, R. K., Islam, M. F. and Habib, M. A. 1996. "Processing of Ilmenite Thorugh Salt-Water Vapour Roasting and Leaching", Hydrometallurgy. 42, 367-375.
- Büchner, W., Schliebs, R., Winter, G. and Büchne, K. H. 1989. Industial Inorganic Chemistry. New York: VCH.

Butler, B., Velev, J., Bandyopadhyay, A. and Sarker, S. Modeling of Electronic Structure and Transport., The University of Alabama. www.Bama.ua.edu/~mint/secure/fa112002/handouts/30_Butler_Poster.pdf.

Chen, J. H. and Huntoon, L. W. 1977. "Beneficiation of Ilmenite Ore". U.S. Pat 4,019,898. Apr. 26, 1977.

Clark, R. J. H. 1968. The Chemistry of Titanium and Vanadium an Introduction to the Chemistry of the Early Transition Elements. Amsterdam : Elsevier Publishing Company.

Cotton, F. A. and Wilkinson, G. 1988. Advanced Inorganic Chemistry. 5th ed. New York : John Wiley & sons.

Deer, W. A., Howie, R. A. and Zussman, J. 1979. An Introduction to the Rock-Forming Mineral. 2nd ELBs impression. London : Longman. 412-414.

Dietrich, R.V. and Skinner, B. J. 1979. Rock and Rock Minerals. New York : John Wiley & sons. 72-73.

Duyvesteyn, W. P. C., Sabacky, B. J., Verhulst, D. E. V., West-Sells, P. G., Spitler, T. M., Vince, A., Burkholder, J. R. and Huls, B. J. P. M. 2002. "Processing Titaniferous Ore to Titanium Dioxide Pigment". U.S. Pat 6,375,923. Apr. 23, 2002.

El-Tawil, S. E., Morsi, I. M., Yehia, A. and Francis, A. A. 1996. "Alkali Reductive Roasting of Ilmenite Ore", Canadian Metallurgical Quarterly. 35, 31-37.

Fukushima, S. 1976. "Chlorine Treatment of Titaniferrous Ores". U.S. Pat 3,950,489. Apr. 13, 1976.

Girgin, I. 1990. "Leaching of Ilmenite in HCl-H₂O, HCl-CH₃OH-H₂O and HCl-CH₃OH Solution", Hydrometallurgy. 24, 127-134.

Girgin, I., Turker, L. and Goodall, D. 1991. "Effect of Phenol and Resocinol on Leaching of Ilmenite with HCl-CH₃OH and HCl-C₂H₅OH Solution", Int. J. miner. Process. 32, 147-159.

Greenwood, N. N. and Earnshow, A. 1984. Chemistry of the Element. Ontario : Pergamon Press.

Havrilla, G. J. 1997. "X-Ray Fluorescence Spectrometry", In Handbook of Instrumental Techniques for Analytical Chemistry, p. 459. Settle, F. A, editor. Prentice Hall PTR : Upper Saddle River, NJ.

Hollitt, M. J., O'Brien, B. A. 1995. "Production of synthetic rutile". U.S. Pat 5,427,749. Jun. 27, 1995.

Huheey, J. E., 1978. Inorganic Chemistry : Principles of structure and reactivity. 2 nd ed. New York : Harper International Edition.

Ismail, M. G. M. U., Amarasekera, J. and Kumarasinghe, J. S. N. 1983. "The Upgrading of Ilmenite from Sri Lanka by the Oxidation-Reduction-Leach Process", International Journal of Mineral Processing. 10, 161-164.

Jackson, J. S. and Wadsworth, M. E. 1976. "A Kinetic Study of the Dissolution of Allard Lake Ilmenite in Hydrochloric Acid", Light Metals. 1, 481-540, quoted in van Dyk, J. P., Vegter, N. M. and Pistorius, P. C. 2002. "Kinetics of Ilmenite Dissolution in Hydrochloric Acid", Hydrometallurgy, 65, 31-36.

Jayasekera, S., Morinovich, Y., Avraamides, J. and Bailey, S. I. 1995. "Pressure Leaching of Reduced Ilmenite : Electrochemical Aspects", Hydrometallurgy. 39, 183-199.

Jiang, T., Yang, Y., Huang, Z., Zhang, B. and Qiu, G. 2003. "Leaching Kinetics of Pyrolusite from Manganese-Solver Ores in the Presence of Hydrogen Peroxide", Hydrometallurgy. 72, 129-138.

Klein, C. and Hurlbut,C. S., Jr. 1985. Manual of Mineralogy. 20th ed. New York:John Wiley & sons.

Kothari, N. C. 1974. "Recent Developments in Processing Ilmenite for Titanium", International Journal of Mineral Processing. 1, 287-305.

Lanyon, M. R., Lwin, T. and Marritt, R. R. 1999. "The Dissolution of Iron in the Hydrochloric Acid Leach of an Ilmenite Concentrate", Hydrometallurgy. 51, 299-323.

Mahmoud, M. H. H., Afifi, A. A. I. and Ibrahim, I. A. 2004. "Reductive Leaching of Ilmenite Ore in Hydrochloric Acid for Preparation of Synthetic Rutile", Hydrometallurgy. 73, 99-109.

- Ogasawara, T. and Velaso de araujo, R.V. 2000. "Hydrochloric Acid Leaching of a Pre-reduced Brazilian Ilmenite Concentrate in an Autoclave", Hydrometallurgy. 56, 203-216.
- Olanipekun, E. 1999. "A Kinetic Study of the Leaching of a Nigerian Ilmenite Ore by Hydrochloric acid", Hydrometallurgy. 53, 1-10.
- Sinha, H. N. 1984. "Hydrochloric Acid Leaching of Ilmenite". Proceeding of the Symposium on the Extractive Metallurgy AusIMM Melbourne (Australia), Level 3, pp. 163-168. Carlton Victoria : The Australasian Institute of Mining and Metallurgy, quoted in van Dyk, J. P., Vegter, N. M. and Piistorius, P. C. 2002. "Kinetics of Ilmenite Dissolution in Hydrochloric Acid", Hydrometallurgy, 65, 31-36.
- Sinha, H. N. 1979. Fluidized-bed Leaching of Ilmenite, in: M.J. Jones (Ed.), Proceedings of the Eleventh Commonwealth Mining and Metallurgy Congress. pp. 669-672. Hong Kong : Institute of Mining and Metallurgy quoted in Lanyon, M. R., Lwin, T. and Marritt, R. R. 1999. "The Dissolution of Iron in the Hydrochloric Acid Leach of an Ilmenite Concentrate", Hydrometallurgy. 51, 299-323.
- Skoog, D. A. and Leary, J. J. 1992. Principle of Instrumental Analysis. 4th ed. Philadelphia : Saunders College Publishing.
- Ward, J., Bailey, S. and Avraamides, J. 1999. "The use of Ethylenediammonium chloride as an aeration catalyst in the removal of metallic iron from reduced ilmenite", Hydrometallurgy. 53, 215-232.

- Welham, N. J. 1996. "A Parametric Study of the Mechanically Activated Carbothermic Reduction of Ilmenite", Minerals Engineering. 9, 1189-1200.
- Wongnawa, S., Boonsin, P., Kongkaew, D. and Yodbutra, S. 1999. " Preparation of Standards Mimicking the Ore Matrix for EDXRF Spectrometry of Ilmenite Ores", J. Trace and Microprobe Techniques. 17, 25-37.
- Wongnawa, S., Boonsin, P. and Sombutchaikul, T. 1997. "Determination of Impurities in Ilmenite Ore and Residues After Leaching with HCl-ethylene glycol by Energy Dispersive X-ray Fluorescence (EDXRF) Spectrometry", Hydrometallurgy. 47, 161-167.
- van Dyk, J. P., Vegter, N. M. and Pistorius, P. C. 2002. "Kinetics of Ilmenite Dissolution in Hydrochloric Acid", Hydrometallurgy. 65, 31-36.
- Yang, S.; Liu, Y.; Guo, Y.; Zhao, J.; Xu, H. and Wang, Z. 2002. "Preparation of rutile titania nanocrystals by liquid method at room temperature", Materials Chemistry and Physics. 9430, 1-6.