

DAFTAR PUSTAKA

- Adams, M.D., 2005, "Advances in Gold Ore Processing", Elsevier, Belanda.
- Alberta Education, 2010, "Chemistry Data Booklet Updated 2010", Alberta Education, Kanada.
- Amelunxen, R.L and Redfearn, M.A., 1985, "The Mechanics of Operation of Column Flotation Machines", Proc. 17th Annual Meeting of The Canadian Mineral Processors. CIM, Ottawa, Canada.
- Aylmore, M.G. and Muir, D.M., 2000, "Thermodynamics Analysis of Gold Leaching by Ammoniacal Thiosulfate Using Eh/pH and Speciation Diagrams", Vol. 18, Minerals and Metallurgical Processing Journal, Michigan.
- Aylmore, M.G. and Muir, D.M., 2000, "Thiosulfate Leaching of Gold-A Review", Vol. 14, Minerals Engineering Journal, UK.
- Bard, A.J. and Faulkner, L.R., 2001, "Electrochemical Methods: Fundamentals and Applications", John Wiley and Sons, Inc., New York.
- Bailey, D.G., 1997, "Heat Capacity of Minerals: A Hands-On Introduction to Chemical Thermodynamics", Paper of Hamilton College, New York.
- Breuer, P.L. and Jeffrey, M.I., 2000, "Thiosulfate Leaching Kinetics of Gold in The Presence of Copper and Ammonia", Vol. 13, Minerals Engineering Journal, UK.
- Brown, G.G., 1950, "Unit Operations", John Wiley and Sons, Inc., New York.
- Brownell, L.E. and Young, E.H., 1959, "Process Equipment Design", John Wiley and Sons, Inc., New York.
- Clingan, B.V., and McGregor, D.R, 1987, "Column Flotation Experience at Magma Copper Company, with Related Experience of Other Mineral Processors", 116th Annual ALME-SME Meeting, Denver, U.S.A.
- Coffin, V.L. and Mischczak, 1982, "Column Flotation at Mines Gaspe", 14th IMPC, Toronto, Canada.

- Coulson, J.M. and Richardson, J.F., 1983, "Chemical Engineering", Pergamon Press, Oxford.
- Del Villar, R., Finch, Yianatos, J.B. and Laplante, A.R., 1988. "Column Flotation Simulation", in Computer Applications in the Mineral Industry, Rotterdam.
- Dobby, G.S. and Finch, J. A., 1985. "Mixing Characteristics of Industrial Flotation Columns", Vol. 40, Chem. Eng. Sci, Netherland.
- Dobby, G.S. and Finch, J.A., 1986a. "Flotation Column Scale-up and Modelling", CIM Bulletin, Canada.
- Dobby, G.S. and Finch, J.A., 1986b. "Particle Collection in Columns: Gas Rate and Bubble Size Effects", Vol. 25, Can. Met. Quarterly, Canada.
- Eakman, J.M. and Mostafa, A.T.M.G., 1995, "Prediction of Heat Capacities of Solid Inorganic Salts from Group Contributions", Paper of New Mexico State University, Meksiko.
- Espinosa, R.G., Finch, J.A., Yianatos, J.B. and Dobby, G.S., 1988b. "Column Carrying Capacity: Particle Size and Density Effects", Minerals Engineering, UK.
- Espinosa, RG., Yianatos, J.B., Finch, J.A., and Johnson, N.W., 1988c. "Carrying Capacity Limitations in Flotation Columns", in Column Flotation '88 (K.V.S. Sastri, ed.), SME Annual Meeting, Phoenix, Arizona, U.S.A.
- Espinosa, R.G., Johnson, N.W., Pease, J.D. and Munro, P.D., 1989. "The Commissioning of the First Three Flotation Column at Mount Isa Mines Ltd.", 28th Annual Conference of Metallurgists, Halifax, Canada.
- Evans Jr, F.L., "Equipment Design Handbook for Refineries and Chemical Plants", Gulf Publishing, Houston.
- Falutsu, M. and Dobby, G.S., 1989. "Direct Measurement of Collection Zone Recovery and Froth Drop Back in a Laboratory Flotation Column", Minerals Engineering, UK.
- Feeley, C.D., Landolt, C.A., Miszczak, J., and Steenburgh, W.M., 1987. "Column Flotation at Inco's Matte Separation Plant", 89th Annual Gen. Meeting of CIM, Toronto, Canada.

- Finch, J.A. and Dobby, G.S., 1989. "Column Flotation", Pergamon Press, Oxford.
- Fogler, H.S., 1999, "Elements of Chemical Reaction Engineering", 3 ed., Prentice Hall, Inc., New Jersey.
- Foust, A.S., Wenzel, L.A., Clump, C.W., Maus, L., and Andersen, B., 1980, "Principle of Unit Operations", John Wiley and Sons, New York.
- Goodridge, F. and Scott, K., 1995, "Electrochemical Process Engineering", Springer Science and Business Media, New York.
- Haddad, P.R., Grosse, A.C., Dicinoski, G.W., and Shaw, M.J., 2003, "Leaching and Recovery of Gold Using Ammoniacal Thiosulfate Leach Liquor (A Review)", Vol. 69, Hydrometallurgy Journal, Afrika Selatan.
- Hine, F., 1985, "Electrode Processes and Electrochemical Engineering", Plenum Press, New York.
- Jeffrey, M.I., 2001, "Kinetic Aspects of Gold and Silver Leaching in Ammonia-Thiosulfate Solutions", Vol. 60, Hydrometallurgy Journal, Afrika Selatan.
- Kern, D.Q., 1950, "Process Heat Transfer", Mc.Graw Hill Book Company, Inc., New York.
- Kirk, K.E and Othmer, V.F., 1978, "Encyclopedia of Chemical Technology", John Wiley and Sons, New York.
- Lane, G.S. and Dunne, R.C., 1987. "Column Flotation an Australian Perspective", Mining and Processing Conference, AusIMM, Kalgoorlie, W A, Australia.
- Laplante, AR., Yianatos, J.B. and Finch, J.A, 1988. "On the Mixing Characteristics of the Collection Zone in Flotation Columns", in Column Flotation '88 (K.V.S. Sastri, ed.), SME Annual Meeting, Phoenix, Arizona, U.S.A.
- Levenspiel, O., 1999, "Chemical Reactor Engineering", 3 ed., John Wiley and Sons, Inc., New York.
- Ludwig, E.,E., 1999, "Applied Process Design For Chemical and Petrochemical Plants", Vol.1, 3 ed., Gulf Publishing Company, Houston, Texas.
- Masliyah, J.H., 1979. "Hindered Settling in a Multi-Species Particle System", Vol. 36., Chem. Eng. Sci., Netherland.

- Mc Cabe, W., Smith, J. and Harriott, P., 2004, "Chemical engineering unit operations", McGraw-Hill Book Company, Inc., New York.
- Mooiman, M.B., Ewart, I., and Robinson, J., 2013, "Electrowinning Precious Metals from Solution Using EMEW Technology", Argo Advisors International, Massachusetts.
- Moys, M. and Finch, J.A., 1988. "Developments in the Control of Flotation Columns", Int. J. Mineral Processing, Netherland.
- Perry, R.H., 1997, "Perry's Chemical Engineers' Handbook", 7 ed., Mc. Graw Hill Book Company, Inc., New York.
- Pletcher, D. and Walsh., F.C., 1985, "Industrial Electrochemistry", 2 ed., Kluwer The Language of Science, Chicago.
- Rase, H.F. and Barrow, M.H., 1957, "Piping Design for Process Plant", John Wiley and Sons, New York.
- Rase, H.F. and Barrow, M.H., 1957, "Project Engineering of Process Plant", John Wiley and Sons, New York.
- Rase, H.F., 1977, "Chemical Reactor Design for Process Plants", Vol.1, John Wiley and Sons, New York.
- Rice, R.G., Oliver, A.D., Newman, J.P., and Wiles, R.J., 1974. "Reduced Dispersion Using Baffles in Column Flotation", Powder Technology, Netherland, .
- Robie, R.A., Hemingway, B.S., and Fisher, J.R., 1979, "Thermodynamics Properties of Minerals and Related Substances at 298,15 K and 1 Bar (10^5 Pascals) Pressure and at Higher Temperatures", U.S. Geological Survey Bulletin, Amerika.
- Sastri, K.V.S. and Fuerstenau, D.W., 1970. "Theoretical Analysis of a Countercurrent Flotation Column", Trans. SME-AIME, Colorado
- Sastri, K.V.S., editor, 1988. "Column Flotation '88", Proc. SME Annual Meeting Phoenix, Arizona, U.S.A.
- Scottish Qualifications Authority, 2013, "Chemistry Data Booklet National 5", National Qualifications Courses, UK.

- Senanayake, G., 2004, "A Surface Adsorption/Reaction Mechanism for Gold Oxidation by Copper (II) in Ammoniacal Thiosulfate Solutions", Vol. 286, Journal of Colloid and Interface Science, Swedia.
- Senanayake, G., 2004, "Analysis of Reaction Kinetics, Speciation, and Mechanism of Gold Leaching and Thiosulfate Oxidation by Ammoniacal Copper (II) Solutions", Vol. 75, Hydrometallurgy Journal, Afrika Selatan.
- Senanayake, G., 2004, "Kinetic Model for Anodic Oxidation of Gold in Thiosulfate Media Based on The Adsorption of $MS_2O_3^-$ Ion-pair", Vol. 76, Hydrometallurgy Journal, Afrika Selatan.
- Senanayake, G., 2005, "Catalytic Role of Ammonia in The Anodic Oxidation of Gold in Copper-Free Thiosulfate Solutions", Vol. 77, Hydrometallurgy Journal, Afrika Selatan.
- Senanayake, G., 2005, "Gold Leaching by Thiosulfate Solutions: A Critical Review on Copper (II)-Thiosulfate-Oxygen Interactions", Vol. 18, Minerals Engineering Journal, UK.
- Senanayake, G., 2007, "Review of Rate Constants for Thiosulfate Leaching of Gold from Ores, Concentrates, and Flat Surface: Effect of Host Minerals and pH", Vol. 20, Minerals Engineering Journal, UK.
- Senanayake, G., Zhang, X.M., and Nicol, M.J., 2004, "A Study of The Gold Colloid Dissolution Kinetics in Oxygenated Ammoniacal Thiosulfate Solutions", Vol. 74, Hydrometallurgy Journal, Australia.
- Smith, J.M., 1981, "Chemical Engineering Kinetics", 3 ed., Mc.Graw Hill Book Company, Inc., New York.
- Smith, J.M., Van Ness, H.C., and Abbott, M.M., 1996, "Introduction to Chemical Engineering Thermodynamics", 5 ed., Mc.Graw Hill Book Company, Inc., New York.
- Treybal, R.E., 1981, "Mass Transfer Operation", 3rd ed., McGraw-Hill, Kogakusha, Ltd., Tokyo.
- Ulrich, G.D., 1984, "A Guide to Chemical Engineering Process Design and Economics", John Wiley and Sons, Inc., New York.

- Wheeler, D.A, 1985. "Column Flotation: The Original Column", in Froth Flotation, Proc. 2nd Latin American Congress on Froth Flotation, Chile.
- White, R.E., 1984, "Electrochemical Cell Design", Plenum Press, New York.
- Xia, C., 2008, "Associated Sulfide Minerals in Thiosulfate Leaching of Gold: Problems and Solutions", Thesis of Queen's University, Canada.
- Xu, M., Finch, J.A. and Yianatos, I.B., 1987. "Carrying Capacity in Flotation Columns: Gas Rate and Bubble Size Effects", CIM Conf. of Metallurgists, Winnipeg, Canada.
- Xu, M. and Finch, J.A., 1989, "Effect of Sparger Type and Surface Area on Bubble Size in a Flotation Columns", Vol. 28, Canadian Metallurgical Quarterly, Canada.
- Yaws, C.L., 1999, "Chemical Properties Handbook Physical, Thermodynamic, Environmental, Transport, Safety, and Health Related Properties For Organic and Inorganic Chemicals", Mc Graw Hill Book Companies, Inc., New York.
- Yianatos, J.B., Finch, J.A, Laplante, A.R., 1986a, "Holdup Profiles and Bubbles Size Distribution of Flotation Column Froths", Can. Met. Quarterly, Canada.
- Yianatos, J.B., Finch, J.A., Laplante, A.R., 1986b. "Apparent Hindered Settling in a Gaz-Liquid-Solid Countercurrent Column", Vol. 18, Int. Journal of Mineral Processing, Netherland.
- Yianatos, J.B., Finch, J.A, Laplante, A.R., 1987, "The Cleaning Action in column Flotation Froths", Vol. 96, Trans. Inst. Min.Metall. (Section C), UK.
- Yianatos, J.B., Finch, J.A, Laplante, A.R., 1988a, "Selectivity in Column Flotation Froths", Vol. 15, Int. Journal of Mineral Processing, Netherland.
- Yianatos, I.B., Finch, J.A., Dobby, G.S. and Xu, M., 1988b. "Bubble Size Estimation in a bubble Swarm", Vol 126, Journal of Colloid and Interface Sci., US.
- Yianatos, J.B., Finch, J.A, Dobby and G.S, Laplante, A.R., 1988c, "Effect of Column Height on Flotation Column Performance", Vol. 4, Minerals and Metallurgical Proc., US.
- Yianatos, J.B. and Levy, A.R., 1989a. "Estimation of Gas Holdup, Diameter and Apparent Density of Mineralised Bubbles in Industrial Flotation Columns".

Int. Colloquium Dev. in Froth Flotation, S.A.I.M.M., Western Cape Branch, South Africa.

Yianatos, J.B., Marehese, M.M., Hutchinson, S. and Wiles, R.J., 1989b. "Characterization of Gas Sparging Media in the Flotation Column", 28th Annual Conference of Metallurgists of C.I.M., Halifax, Canada.

Zhao, J., Wu, Z., and Chen, J., 1998, "Solvent Extraction of Gold in Thiosulfate Solutions With Amines", Vol. 16, Solvent Extraction and Ion Exchange Journal, United States.

Zhao, J., Wu, Z., and Chen, J., 1998, "Extraction of Gold From Thiosulfate Solutions Using Amine Mixed With With Neutral Donor Reagents", Vol. 48, Hydrometallurgy Journal, Australia