

## Referências Bibliográficas

- ACHILIAS, D.; KIPARASSIDES, C. “*Modeling of diffusion controlled free radical polymerization reactions*” **Journal of Applied Polymer Science**, v.35, p.1303-1323, 1988.
- AKASHI, H.; SAKAI, Y.; TAKAHASHI, N.; SASAKI, T. “*Modelling of the initiation and development of a filamentary discharge in XeCl excimer laser*” **Journal of Physics D: Applied Physics**, v.32 p. 2861-2870, 1999.
- AKTINSON, A. C. **Optimum experimental designs**. Clarendon, Oxford,1992.
- ALFANO, O. M.; ROMERO, R. L.; CASSANO, A. E. “*Radiation field modelling in photoreactors. I: Homogeneous media*”. **Chemical Engineering and Science**, v.41 (3), p.421-443, 1986.
- BAMFORD, C. H.; DEWAR, M. J. “*Rates of radical reactions in the liquid phase. I. Absolute velocity constants in vinyl polymerisations.*” **Discussions of the Faraday Society**, v.2 p.310-314, 1947.
- BAMFORD, C. H.; DEWAR, M. J. “*Studies in polymerization III. The polymerization of methyl methacrylate*” **Proceedings of the Royal Society of London Series A-Mathematical and Physical Sciences**, v.197, p.356-373, 1949.
- BANDINI, E.; STRAMIGIOLI, C.; SANTARELLI, F. “*A rigorous approach to photochemical reactor.*” **Chemical Engineering Science**, v.32, p.89-96, 1977.
- BELVINGTON, J. C.; MELVILLE, H. W.; TAYLOR, R. P. “*The termination reaction in radical polymerizations. II. Polymerizations of styrene at 60° and of methyl methacrylate at 0 and 60°, and the copolymerization of these monomers at 60°*”. **Journal of Polymer Science**, v.14, p.463-476, 1954.

BEUERMANN, S.; BUBACK, M.; DAVIS, T. P.; GILBERT, R. G.; HUTCHINSON, R. A.; KAJIWARA, A.; KLUMPERMAN, B.; RUSSELL, G. T. “*Critically evaluated rate coefficients for free-radical polymerization, 3<sup>a</sup>. Propagation rate coefficients for alkyl methacrylates.*” **Macromolecular Chemical and Physics**, v.201, p.1355-1364, 1997.

BIRD, R. B.; STEWART, W. E.; LIGHTFOOT, E. N. **Transport phenomena**. New York: John Wiley & Sons Ltd, 1960.

BOLLANTI, S.; CLEMENTI, G.; LAZZARO, P.; FLORA, F.; GIORDANO, G.; LETARDI, T.; MUZZI, F.; SCHINA, G.; ZHENG, C. E. “*Excimer lamp pumped by a triggered longitudinal discharge.*” **IEEE Transactions on Plasma Science**, v.27, p.211-218, 1999.

BOX, G. E. P.; HUNTER, W. G.; HUNTER, J. S. **Statistic for experimenters: an introduction to design, data analysis and model building**. New York: John Wiley & Sons Ltd, 1978.

BRAUN, A. M.; MAURETTE, M-T; OLIVEROS, E. **Photochemical Technology**. New York: John Wiley & Sons Ltd, 1991.

BUBACK, M.; BUSCH, M.; KOWOLLIK, C. “*Chain-length dependence of free-radical termination rate deduced from laser single-pulse experiments.*” **Macromolecular Theory and Simulations**, v.9, p.442-452, 2000.

CASSANO, A. E.; MARTÍN, C. A.; BRANDI, R. J.; ALFANO, O. M. “*Photoreactor Análisis and Design: Fundamentals and applications.*” **Industrial Engineering of Chemical Research**, v.34, p.2155-2201, 1995.

CHOLOD, M. S.; PARKER, H-Y. **Polymeric Material Encyclopedia**, Editor: Joseph C. Salamone, CRC Press, v.8, p.6385-6391, New York, 1996.

CIOLA, R. **Fundamentos da Cromatografia. A Líquido de Alto Desempenho.**

**HPLC.** Editora: Edgard Blücher 1998.

CUNNINGHAM, A. F.; DESOBRY, V.; DIETLIKER, K.; HÜSLER, R.; LEPPARD, D. G. “*Recent developments in radical photoinitiator chemistry.*” **Chimia**, v.48, p.423-426, 1994.

DANCKWERTS, P. V. “*Continuous flow systems*” **Chemical Engineering Science**, v.2, p.1-13, 1953.

DOLAN, W. J.; DIMON, C. A.; DRANOFF, J. S. “*Dimensional analysis in photochemical reactor design.*” **AIChE Journal**, v.11, p.1000-1005, 1965.

GELLERT, B.; KOGLESCHATZ, U. “*Generation of excimer emission in dielectric barrier discharges.*” **Applied Physics B: Photo-physics and Laser Chemistry** v.52, p.14-21, 1991.

GOODEVE, J. W. “*The absorption spectra of methyl methacrylate and its polymer.*” **Transaction Faraday Society**, v.34, p.1239-1244, 1938.

GÖB, S.; OLIVEROS, E.; BOSSMANN, S. H.; BRAUN, A. M.; GUARDANI, R.; NASCIMENTO, C. A. O. “*Modeling the kinetics of a photochemical water treatment process by means of artificial neural networks.*” **Chemical Engineering and Processing**, v.38, p.373-382, 1999.

HAMIELEC, A. E.; TOBITA, H. “*Polymerization process.*” **Ullmann’s Encyclopedia of Industrial Chemistry**, v.A21, p.305-428, 1992.

HARRIS, P. R.; DRANOFF, J. S. “*A study of perfectly mixed photochemical reactors.*” **AIChE Journal**, v.11(3), p.497-502, 1965.

- HOKAZONO, H.; MIDORIKAWA, K.; OBARA, M.; FUJIOKA, T. “*Theoretical analysis of a self-sustained discharge pumped XeCl laser.*” **Journal of Applied Physics**, v.56(3), p.680-690, 1984.
- HWANG, D-H.; COHEN, C. “*Diffusion and relaxation in polymer-solvent systems. 2. Poly(methyl methacrylate)/methyl ethyl ketone.*” **Macromolecules**, v.17, p.2890-2895, 1984.
- IRAZOQUI, H. A.; CERDÁ, J.; CASSANO, A. E. “*Radiation profiles in an empty annular photoreactor with a source of finite spatial dimensions.*” **AIChE Journal**, v.19, p.460-467, 1973.
- JACOB, S. M.; DRANOFF, J. S. “*Light intensity profiles in a perfectly mixed photoreactor.*” **AIChE Journal**, v.16(3), p.359-363, 1970.
- KHURI, A. I.; CORNELL, J. A. **Response Surfaces, Designs and Analysis**, ASQC Quality Press, New York, 1987.
- KOGELSCHATZ, U. “*Silent discharges for the generation of ultraviolet and vacuum ultraviolet excimer radiation*” **Pure and Applied Chemistry**, v.62(9), p.1667-1674, 1990.
- KOSTANSKI, L. K.; SÉLLER, D. M.; HAMIELEC, A. E. “*Size-exclusion chromatography-a review of calibration methodologies.*” **Journal of Biochemical and Biophysical Methods**, v.58(2),p.159-186, 2004.
- MACKAY, M. H.; MELVILLE, H. W. “*Rate coefficients in the polymerization of methyl methacrylate 1.*” **Transactions of the Faraday Society**, v.45(4), p.323-338, 1949.
- MACKAY, M. H.; MELVILLE, H. W. “*Rate coefficients in the polymerization of methyl methacrylate .2.*” **Transactions of the Faraday Society**, v.46(1), p.63-78, 1950.

MALISKA, C. R. **Transferência de calor e Mecânica dos fluidos computacional.**

Livros Técnicos e Científicos, 1995.

MARTÍN, C. A.; BALTANÁS, M. A.; CASSANO, A. E. “*Photocatalytic reactors II. Quantum efficiencies allowing for scattering effects. An experimental approximation.*”

**Journal of Photochemistry and Photobiology A: Chemistry**, v.94, p.173-189, 1996.

MATSUURA, T.; CASSANO, A. E.; SMITH, J. M. “*Acetone photolysis: kinetic studies in a flow reactor.*” **AICHE Journal**, v.15, p.495-501, 1969.

MEDVEDEV, S. S. “*Formation de radicaux libres dans les processus de photopolymérisation et de polymérisation radiochimique.*” **J. Chim. Phys.**, v.52, p.677-688, 1955.

MELVILLE, H. W. “*The photochemical polymerization of methyl methacrylate vapour*” **Proceedings of the Royal Society of London Series A-Mathematical and Physical Sciences**, v.163, p.511-542, 1937.

OLIVEROS, E.; LEGRINI, O.; HOHL, M.; MÜLLER, T.; BRAUN, A. M. “*Large scale development of a light-enhanced Fenton reaction by optimal experimental design.*” **Chemical Engineering and Processing**, v.36(5), p.397-405, 1997.

O’SHAUGHNESSY, B.; Yu, J. “*Infinite Lifetimes in Radical Polymerization*” **Physical Review Letters**, v.80, p.2957-2960, 1998.

PERRY, J. H. **Chemical Engineers’ Handbook.** Kōgakusha Company, LTD, Tokyo, 1963.

PHILLIPS, R. “*Photopolymerization.*” **Journal of Photocemistry**, v.25, p.79-82, 1984.

PLÁCIDO, J. “*Modelagem e simulação do processo de polimerização de metacrilato de metila (MMA) por iniciação fotoquímica.*” 2000. 253p. Tese (Doutorado)-Escola Politécnica, Departamento de Engenharia Química-Universidade de São Paulo. São Paulo.

RABEK, J. F. **Mechanisms of photophysical processes and photochemical reactions in polymers: theory and applications.** Great Britain: John Wiley & Sons Ltd, 1987. 756p.

RAY, A. B.; SARAF, D. N.; GUPTA, S. K. “*Free radical polymerization associated with the Trommsdorff effect under semibatch reactor conditions. I: Modeling.*” **Polymer Engineering and Science**, v.35(16), p.1290-1299, 1995.

ROMERO, R. L.; ALFANO, O. M.; MARCHETTI, J. L.; CASSANO, A. E. “*Modelling and parametric sensitivity of an annular photoreactor with complex kinetics.*” **Chemical Engineering Science**, v.38(9), p. 1593-1605, 1983.

SANTARELLI, F. “*One dimensional radiative transfer in planar participating media.*” **Lat. Am. J. Heat Mass Transf.**, v.7, p.35-49, 1983.

SHERESTHA, N. K.; YAGI, E. J.; TAKATORI, Y.; KAWAI, A.; KAJII, Y.; SHIBUYA, K.; OBI, K. “*Photochemical  $\alpha$ -cleavage reaction of benzoin and its derivatives.*” **Journal of Photochemistry and Photobiology A: Chemistry**, v.116, p.179-185, 1998.

SKOOG, D. A.; WEST, D. M.; F. J. HOLLER **Fundamentos de química analítica.** Barcelona : Reverté, 2000.

SKOOG, D. A.; WEST, D. M.; F. J. HOLLER **Fundamentals of analytical chemistry.** Fort Worth, Tex.: Saunders College Pub., 1992.

SPALDING, B. “*The PHOENICS reference manual, software version-3.5*” **Copyright Concentratio, Heat and Momentum Limited**, 1994.

STICKLER, M.; RHEIN, T. “*Polymethacrylates.*” **Ullmann’s Encyclopedia of Industrial Chemistry**, v.A21, p.473-486, 1992.

SZWARC, M. “*Some remarks on the CH<sub>2</sub>=CH<sub>2</sub> molecule.*” **Discussions of the Faraday Society**, v.2, p.46-49, 1947.

TEIXEIRA, S “*Estudo experimental e modelagem matemática do processo de pré-polimerização em massa de metacrilato de metila (MMA) com iniciação fotoquímica.*”

2003. 228p. Tese (Doutorado)-Escola Politécnica, Departamento de Engenharia Química-Universidade de São Paulo. São Paulo.

TEFERA, N.; WEICKERT, G.; WESTERTERP, K. R. “*Modeling of free radical polymerization up to high conversion. II. Development of a mathematical model.*”

**Journal of Applied Polymer Science**, v.63 (12), p.1663-1680, 1997.

TURRO, N. J. **Modern molecular photochemistry**. California: The Benjamin/Cummings Publishing Company Inc, 1978. 628p.

WITTCOFF, H. A.; REUBEN, B. G. **Industrial Organic Chemicals**, New York: John Wiley & Sons Ltd, 1996.

WOO, H-G.; HONG, L-Y.; PARK, J-Y.; JEONG, Y-T.; PARK, H-R.; HAM, H-S. “*Photopolymerization of methyl methacrylate with disilanes*” **Bulletin of Korean Chemical Society**, v.17, p.16-19, 1996.

YAU, W. W.; KIRJKABD, J. J.; BLY, D. D. **Modern size exclusion liquid chromatography: practice of gel permeation and gel filtration chromatography**. New York: John Wiley & Sons Ltd, 1979.

YUE, P. L. “*Modelling of kinetics and reactor for water purification by photo-oxidation.*” **Chemical Engineering Science**, v.48, p.1-11, 1993.