

BIBLIOGRAFÍA.

American, C. S. (2007). *American Chemical Society* .

Asahi, R. M., Ohwaki, T. A., & Taga, Y. (2001). *Science* , 269-271.

Asahi, R., Morikawa, T., Ohwaki, K., Aoki, & Taga, Y. (2001). Visible light photocatalysis in nitrogen-doped titanium oxides. *Science* , 269-275.

Asahi, R., Taga, Y., Mannstadt, W., & Freeman, A. (2000). "Electronic and optical properties of anatase TiO₂" *Physical review B-Condensed Matter and Materials Physics*. 7459-7465.

Augustinski, J. (1998). *Struct. Bonding*.

Bahnemann, W., & al, e. (1991b). Mechanism of Organism Transformation on Semiconductor Particles. *Photochemical Conversion and Storage of Solar Energy* , 251-276.

Blake, D., Maness, P., Huang, Z., Wolfrum, J., Huang, J., & Sep, J. (1999). *Sep. Purif. Meth* , 1-49.

Blanco, J., & Malato, S. (1996). *Tecnología de Fotocatálisis Solar*. Instituto de Estudios Almerienses de la Diputación de Almería.

Braun, A., Viriot, M., & André, J. (1990). *Industrial photochemistry*. CPIC-ENSIC.

Buera, C., Lou, Y. C., Stout, J., & Gole, J. (2003). *Nano Lett* , 1049-1051.

Burda, C. C., Narayanan, R., & El-Sayed, M. (2005). *Chem. Rev* , 1025-1102.

Dillert, R. (1998). *Chem. Eng. Technol.* , 356.

Emeline, A., Kuznetsov, V., Rybchuck, V., & Serpone, N. (2008). Review Article. Visible-Light-Active Titania Photocatalysts: The Case of N-Doped TiO₂s_Properties and Some Fundamental Issues. *International Journal of Photoenergy* , 1-19.

EPA, U. S. (1999). Alternative Disinfectants and Oxidants Guidance Manual. *EPA 815-R-99-014* .

Fajardo, E., Sánchis, N., & Thomas, N. (s.f.). Destrucción Fotocatalítica de contaminantes orgánicos en agua.

Feitz, A. B., & Waite, T. (2000). Evaluation of two solar pilot scale fixed-bed photocatalytic reactors. *Wat. Res.* , 3927-3932.

Fox, M. (1983). Organic Heterogeneous Photocatalysis: Chemical Conversions Sensitized by Irradiated Semiconductors. *Acc. Chem. Res* , 16.

Fox, M., & Dulay, M. (1993). Heterogeneous photocatalysis. *Chem Rev* , 341-357.

Fujishima, A., & Honda, K. (1972). *Nature* , 37-38.

Garrido, C. (2000). *Engenharia 2000* , 541.

Gogniat, G., Thyssen, M., Denis, M., Pulgarin, C., & Dukan, S. (2006). FEMS. *Microbiol. Lett.* , 93-104.

Griffiths, A., Gelbart, W, Miller, J., & Lewontin, R. (1999). *Genética Moderna*. McGraw Hill Interamericana.

Gumy, D., Morais, C., Bowen, P., Pulgarin, C., Giraldo, S., Hajdu, R., y otros. (2006). Catalytic activity of commercial of TiO₂ powders for the abatement of the bacteria (*E. coli*) under solar simulated light: Influence of the isoelectric point. *Applied Catalysis B: Environmental* , 76-84.

Hagfeld, A., & Gratzel, M. (1995). *Chem. Rev* , 49-68.

- Kaneko, M., & Okura, I. (2000). *Photocatalysis Science and Technology* .
- Khan, S., Al-Shahry, M., & Ingler, W. (2002). *Science* , 2243-2245.
- Kiwi, J., & Nadtochenko, V. (2004). *J. Phys Chem* , 17675-17684.
- Kiwi, J., & Nadtochenko, V. (2005). Evidence for the Mechanism of Photocatalytic Degradation of bacterial Wall Membrane at the TiO₂ interface by ATR-FTIR and Laser Kinetic Spectroscopy. *American, Chemical Society* , 4631-4641.
- Legrini, O., Oliveros, E., & Braun, A. (1993). Photochemical processes for water treatment. *Chem. Rev.* , 671-698.
- Linsebigler, A., Lu, J., & Yates, J. (1995). *Chem. Rev.* , 735-738.
- Litter, M., & Mansilla, H. (2003). Desinfección Solar de aguas en Comunidades Rurales de América Latina. *Proyecto OEA AE 141/2001 AGENCIA INTERAMERICANA PARA LA COOPERACIÓN Y EL DESARROLLO* .
- Liu, Y., Li, J., Qui, X., & Burda, C. (2007). Bactericidal activity of nitrogen-doped metal oxide nanocatalyst and the influence of bacterial extracellular polymeric substances (EPS). *Journal of Photochemistry and Photobiology A: Chemistry* , 94-100.
- Livraghi, S., Paganini, M., Giamello, E., Selloni, A., & Valenti, C. P. (2006). Origin of Photoactivity of Nitrogen-Doped Titanium Dioxide under Visible Light. *J. Am. Chem. Soc.* , 15666-15671.
- Madigan, M., Martinko, J., & Parker, J. (1998). Brock Biología de los Microorganismos. Prentice Hall.
- Magrini, A. (1994). Improving Catalyst Performance for Solar-based Photocatalytic Oxidation of Organics. *ASME Inter. Solar En. Conf. San Francisco* .
- Malato, S. (1999). Solar Photocatalytic decomposition of pentachlorophenol dissolved in water. *CIEMAT* .

- Mills, A., & Hunte, S. (1997). *Photochem. Photobiol. A: Chem.* 1-35.
- Morikawa, T., Asahi, R., Ohwaki, T., Aoki, K., & Taga, Y. (2001). Band-gap narrowing of titanium dioxide by nitrogen doping. *Japanese Journal of Applied Physics* , 561-563.
- Muzkat, L., & al, e. (1995). Solar Photocatalytic Mineralization of Pesticides en Polluted waters. *Photochem. Photobiol. A Chemistry* , 85-88.
- Ollis, D., Pelizzetti, E., & Achiavello, M. (1991). *Environ. Sci. Technol* , 1523-1529.
- Park, C., Zhang, S., & Wei, S. (2002). *Phys. Rev.*
- Pelizzetti, E. (1986a). Homogeneous and heterogeneous Photocatalysis. *La Chimica e L'Industria* .
- Rincon, A., & Pulgarin, C. (2004). *Solar Energy* , 635-648.
- Rincon, A., & Pulgarin, C. (2004). *Applied Catal.* , 283-302.
- Rodríguez, C., & Ziolli, R. G. (2007). Inactivation of *Escherichia coli* in Water by TiO₂-assisted Disinfection using Solar Light. *J. Braz. Chem. Soc.* , 126-134.
- Saito, T. S., & El-Ghetany, . H. (2002). *Sol. Energy* , 261.
- Sato, S. (1986). *Chem. Phys* , 126-128.
- Sato, S. (1986). Photocatalytic activity of Nitrogen oxide (N=2)-doped titanium dioxide in the visible light region. *Chemical Physics Letters* , 126-128.
- Srinivasan, C., & Somasundaram, N. (2003). Bactericidal and detosification effects of irradiated semiconductor catalyst, TiO₂. *Current Science* , 1431-1437.
- Tosa, K., & Hirata, T. (1999). *Water Res* , 361.
- Winkler, J. (2003). Titanium dioxide. *Vincentz-Network* .
- Yu, J. C., Ho, W., Yu, J., Yip, H. W., & Zhao, J. (2005). *Environ. Sci. Technol* , 1175-1179.