

REFERENCES

- Betram, S. H. (1936). Chem weekblad. De Werkung van Selenium op Stearinzuur, 457-459.
- Candy, J.P., Didillon, B., Smith, E.L., Shay T.B., and Bassett, J.M. (1991). Journal molecular catalysis. Surface Organometallic Chemistry on Metals: a Novel and Effective Route to Custom-Designed Bimetallic Catalysts, 86(1-3), 179-204.
- Coupe, J.N., Jordao, E., Fraga, M.A., Mendes, M.J. (2000). Appl. Catal. A Comparative Study of SiO₂ Supported Rh-Sn Catalysts Prepared by Different Method in the Hydrogenation of Citral, 199(1), 45-51.
- Daniela G. Lima, Valerio C.D. Soares, Eric B. Ribeiro, Daniel A. Carvalho, Èrika C., Flávia R., Kleber M., Joel R., Paulo S., (2004). Journal of analytical and applied pyrolysis. Diesel-like fuel obtained by pyrolysis of vegetable oils, 71, 987-996.
- Demirbas, A. (2002). Energy convers. manage. Biodiesel from Vegetable Oils via Transesterification in Supercritical Methanol, 70, 1-15.
- Edward Furimsky. (1977). Catalytic Deoxygenation of Heavy Gas Oil. Ontario: Department of energy.
- Gerhard Knote, Robert O., Dunn and Marvin O.B. (2004). Biodiesel. The Use of Vegetable Oils and Their Derivatives as Alternative Diesel Fuels.
- Iva Kubičková, Mathias Snåre, Kari Eränen, Päivi Mäki-Arvela, D.Yu. (2005). Catalysis today. Hydrocarbons for Diesel Fuel via Decarboxylation of Vegetable Oils, 106, 197-200.
- J.M. Marchetti, V.U. Miguel, A.F. Errazu. (2005). Renewable and sustainable energy. Possible Methods for Biodiesel Production, 11, 1300-1311.
- Jon Van Gerpen (2004). Business Management for Biodiesel Producers. Colorado: National Renewable Energy Laboratory.
- Kluson, P. Cerveny, L. (1995). Appl. Catal. Selected Hydrogenation over Ruthenium Catalyst, 128(1), 13-31.
- Kluson, P. Cerveny, L. (1997). Chem. Listy. Syntheses of Leaf Alcohols, 91, 342.

- Lafaye G., Micheaud-Espel, C., Montassier, C., Marecot, P. (2002). Appl. Catal. Characterisation of Bimetallic Rhodium-Germanium Catalysts Prepared by Surface Redox Reaction, 230, 19-30.
- Lafaye G., Micheaud-Espel, C., Montassier, C., Marecot, P. (2004). Appl. Catal. Citral Hydrogenation over Alumina Supported Rh-Ge Catalysts Effects of the Reduction Temperature, 257, 107-117.
- Lee, R., Pedley, J., Hobbs, C. (1998). A literature review. SAE Pap. Fuel Quality Impact on Heavy-Duty Diesel Emissions.
- Maier, W. F.; Roth, W.; Thies, I.; v. Rague Schleyer, P. (1982). Chem. Ber. Gas-Phase Decarboxylation of Carboxylic Acids, 115, 808-812.
- Maria Ferrari, Rosanna Maggi, Bernard Delmon, and Paul Grange. (2001). Journal of catalysis. Influenecs of the Hydrogen Sulfide Partial Pressure and of a Nitrogen Compound on the Hydrodeoxygenation Activity of a CoMo/Carbon Catalyst, 198, 47-55.
- Mathias Snåre, Iva Kubičková, Päivi Mäki-Arvela, Kari Eränen, D.Yu. (2006). Ind. Eng. Chem. Res. Heterogeneous Catalytic Deoxygenation of Stearic Acid for Production of Biodiesel, 45, 5708-5715.
- Mendes, M.J., Santos, O.A.A., Jordao, E., Silva, A. M. (2001). Appl. Catal. Hydrogenation of Oleic Acid over Ruthenium Catalyst, 217, 253-262.
- Ogden, J.M. (1999). Annual review energy environment. Prospects for Building a Hydrogen Energy Infrastructure, 24(153), 227-279.
- Okkerse, C., van Bekkum, H. (1999). Green chem. From Fossil to Green, 107-114.
- Päivi Mäki-Arvela, Iva Kubičková, Mathias Snåre, Kari Eränen, D.Yu. (2007). Energy and fuels. Catalytic Deoxygenation of Fatty Acids and Their Derivatives, 21, 30-41.
- Pehr, K., Sauermann, P., Traeger, O., and Bracha, M. (2001). International journal of hydrogen energy. Liquid Hydrogen for Motor Vehicles-the World's First Public LH₂ Filling Station, 26(7), 777-782.
- Ramadhas, A. S.; Jayaraj, S.; Muraleedharan, C. (2005). Fuel. Biodiesel Production from High FFA Rubber Seed Oil, 84, 335-340.

- Schöpe, M., Britschkat, G. (2002). Macroeconomic Evaluation of Rape Cultivation for Biodiesel production in Germany. Munchen: Institut fur Wirtschaftsforschung.
- Srivastava, A., Prasad, R. (2000). Renewable and sustainable energy rev. Triglyceride-Based Diesel Fuels, 4, 111-133.
- Steinberg, M. (1999). International journal of hydrogen energy. Fossil Fuel Decarbonization Technology for Mitigating Global Warming, 24(8), 771-777.
- Stern, R.; Hilton, G. (1985). U.S. Patent 4,554,397. Process for Manufacturing a Linear Olefin from a Saturated Fatty Acid or Fatty Acid Esters.
- Yean-Sang Ooi, R. Zakaria, Abdul Rahman Mohamed, Subhash B. (2004). Biomass and bioenergy. Catalytic Conversion of Palm Oil-Based Fatty Acid Mixture to Liquid Fuel, 27, 477-484.
- <http://www.cia.gov/cia/publications/factbook/print/xx.html>.
- http://www.nrel.gov/vehiclesandfuels/npbf/feature_guidelines.html.

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