

เอกสารอ้างอิง

- [กรกช จันทร์ไสภาพิศ, 2552] กรกช จันทร์ไสภาพิศ. 2552. การแตกตัวเชิงตัวเร่งปฏิกิริยาของไขว้บ้านเหล็ก/ถ่านกัมมันต์. ระดับบัณฑิตศึกษา คณะวิทยาศาสตร์ จุฬาลงกรณ์มหาวิทยาลัย.
- [นคร พิพิ眼看, 2558] นคร พิพิ眼看. 2558. เทคโนโลยีการแปลงสภาพชีวนิวคล. พิมพ์ครั้งที่ 2. เชียงใหม่:สำนักพิมพ์ มหาวิทยาลัยเชียงใหม่.
- [นิทัศน์ วงศ์สวัสดิ์, 2554] นิทัศน์ วงศ์สวัสดิ์ การแตกตัวค่วยเร่งปฏิกิริยาของนำ้มันพืชใช้แล้วบนแคดเซี่ยนออกไซด์และแมgnีเซียมออกไซด์ในเครื่องปฏิกรณ์แบบต่อเนื่อง วิทยานิพนธ์ปริญญาโทบัณฑิต ภาควิชาเคมีเทคนิค คณะวิทยาศาสตร์ จุฬาลงกรณ์มหาวิทยาลัย พ.ศ.2554
- [ปารเมศ ชุตินา, 2545] ปารเมศ ชุตินา. 2545. การออกแบบการทดลองทางวิศวกรรม. กรุงเทพมหานคร:สำนักพิมพ์ แห่งจุฬาลงกรณ์มหาวิทยาลัย.
- [ร่วมกัน สวัสดิ์รักษ์, 2552] ร่วมกัน สวัสดิ์รักษ์. 2552. การแตกตัวเชิงตัวเร่งปฏิกิริยาของสนับดำเนเป็นเชื้อเพลิงเหลวบน HZSM-5. ระดับบัณฑิตศึกษา คณะวิทยาศาสตร์ จุฬาลงกรณ์มหาวิทยาลัย.
- [วิทยา เรืองพรวิสุทธิ์, 2558] วิทยา เรืองพรวิสุทธิ์ เคมีวัสดุ เคมีพื้นผิว และปฏิกิริยาเร่ง พิมพ์ครั้งที่ 1 สำนักพิมพ์แห่งจุฬาลงกรณ์มหาวิทยาลัย พ.ศ.2558 ISBN: 9789740332954
- [สรรฐติชัย ชีวสุทธิศิลป์, 2557] ศ.ดร.สรรฐติชัย ชีวสุทธิศิลป์. 2557. การออกแบบกลยุทธ์การออกแบบการทดลองสำหรับวิศวกรรม. พิมพ์ครั้งที่1. เชียงใหม่: สำนักพิมพ์มหาวิทยาลัยเชียงใหม่.
- [Adjaye et al., 1995] J.D. Adjaye and N.N. Bakhshi. 1995. "Production of hydrocarbons by catalytic upgrading of a fast pyrolysis bio-oil." Part I: Conversion over various catalysts, Fuel Process. Technol. 45 (1995) 161–183
- [Adjaye et al., 1996] Adjaye, J. D., Katikaneni, S. P. R., and Bakhshi, N. N., "Catalytic Conversion of a Biofuel to Hydrocarbons: Effect of Mixtures of HZSM-5 and Silica-Alumina Catalysts on Product Distribution," Fuel Processing Technology, Vol. 48, 1996, pp.115-143.

- [Asminternational.org, 2016] Asminternational.org, What's the Difference between Gasoline, Kerosene, Diesel, etc?, Website: <http://www.asminternational.org/documents/10192/1942086/gas.pdf>, 7 February 2016.
- [Bhatia et al., 2007] Bhatia, S., Leng, C. T. and Pramila, T., "Modelling and Stimulation of Transport Riser Reactor for Catalytic Cracking of Palm Oil for the Production of Production of Biofuels," Energy Fuels, Vol.21, No.6, 2007, pp.3076–3083.
- [Bhatia et al., 2009] Bhatia, S., Mohamed, A. R., and Shah, N. A. A., "Composites as Cracking Catalysts in the Production of Biofuel from Palm Oil: Deactivation Studies," Chemical Engineering Journal, Vol. 155, No.1-2, 2009, pp.347–354.
- [Buzetzki et al., 2009] Eduard Buzetzki et al. 2009. "Zeolite catalysts in cracking of natural triacylglycerols." 44th International Petroleum Conference, September 21-22.
- [Chuaykleang et al., 2014] Chuaykleang J, Ratanawilai S. "Biogasoline from catalytic cracking of refined palm oil using H-ZSM-5 catalyst". IJACEBS. 2014;1:114-118.
- [Chew & Bhatia, 2008] Chew, T. and Bhatia, S., "Catalytic Processes towards the Production of Biofuels in a Palm Oil and Oil Palm Biomass-Based Biorefinery," Bioresource Technology, Vol.99, No.17, 2008, pp.7911-7922.
- [Cunha et al., 2009] Michele Espinosa da Cunha et al. 2009. "Beef tallow biodiesel produced in a pilot scale." Fuel Processing Technology 2009, 90:570–575.
- [Idem et al., 1996] Idem, R. O., Katikaneni, S. P. R. and Bakhs, N. N., "Thermal Cracking of Canola Oil: Reaction Products in the Presence and Absence of Steam," Energy Fuels, Vol.10, No.6, 1996, pp.1150-1162.
- [Idem et al., 1997] Idem, R. O., Katikaneni, S. P. R. and Bakhs, N. N., "Catalytic Conversion of Canola Oil to Fuels and Chemicals: Roles of Catalysts Acidity, Basicity and Shape Selective on Product Distribution," Fuel Processing Technology, Vol.51, No.1-2, 1997, pp.101-125.

- [Ito et al., 2012] Takuya Ito et al. 2009. “Biodiesel production from waste animal fats using pyrolysis method” Fuel Processing Technology 94 (2012) 47–52.
- [Katikaneni et al., 1995] S.P.R. Katikaneni, et al. 1995. “Performance of aluminophosphate molecular sieve catalysts for the production of hydrocarbons from wood-derived and vegetable oils.” Energy Fuels 9 (1995) 1065–1078.
- [Leng et al., 1999] Leng, T. Y., Mohamed, A. R. and Bhatia, S., “Catalytic Conversion of Palm Oil to Fuels and Chemicals,” The Canadian Journal of Chemical Engineering, Vol.77, No.1, 1999, pp.156-162.
- [Li et al., 2009] Hong Li et al. 2009. “Enhancing the production of biofuels from cottonseed oil by fixed-fluidized bed catalytic cracking” Renewable Energy 34 (2009) 1033–1039.
- [Li et al., 2009a] Li, H., Shen, B., Kabalu, J. C. and Nchare, M., “Enhancing the Production of Biofuels from Cottonseed Oil by Fixed-Fluidized Bed Catalytic Cracking,” Renewable Energy, Vol.34, No.4, 2009, pp.1033-1039.
- [Li et al., 2009b] Li, H., Yu, P. and Shen, B. “Biofuel Potential Production from Cottonseed Oil: A Comparison of Non-Catalytic and Catalytic Pyrolysis on Fixed-Fluidized Bed Reactor,” Fuel Processing Technology, Vol.90, No.9, 2009, pp.1087-1092.
- [Lima et al., 2004] Lima, D. G., Soares, V. C. D., Ribeiro, E. B., Carvalho, D. A., Cardoso, E. C. V., Rassi, F. C., Mundim, K. C., Rubin, J. C. and Suarez, P. A. Z., “Diesel-Like Fuel Obtained by Pyrolysis of Vegetable Oils,” Journal of Analytical and Applied Pyrolysis, Vol.71, No.2, 2004, pp.987-996.
- [Lia et al., 2016] Lu Lia, Zhiyong Dinga et al. 2016. “Liquid hydrocarbon fuels from catalytic cracking of waste cooking oils using ultrastable zeolite USY as catalyst.” Journal of Analytical and Applied Pyrolysis 2016, Volume 117 (January): Pages 268-272.

- [Mota et al., 2014] Mota, S., Mancio, A., Lhamas, D., Abreu, D., Silva, M., Santos, W., Castro, D., Oliveira, R., Araújo, M., Borges, L. and Machado, N., “Production of Green Diesel by Thermal Catalytic Cracking of Crude Palm Oil (*Elaeis guineensis* Jacq) in a Pilot Plant,” Journal of Analytical and Applied Pyrolysis, Vol. 110, 2014, pp.1-11.
- [Nam et al., 2011] Nam, L. T. H., Vinh, T. Q., Loan, N. T. T., Tho, V. D. S. and Su, B., “Preparation of Bio-Fuels by Catalytic Cracking Reaction of Vegetable Oil Sludge,” Fuel, Vol. 90, No.3, 2011, pp.1069-1075.
- [Onay et al., 2004] Onay, O. and Kockar, O. M., “Fixed-Bed Pyrolysis of Rapeseed (Brassica Napus L.),” Biomass Bioenergy, Vol. 26, No.3, 2004, pp.289-299.
- [Rao et al., 2010] Rao, T., Clavero, M. and Makkee, M. “Effective Gasoline Production Strategies by Catalytic Cracking of Rapeseed Vegetable Oil in Refinery Conditions,” ChemSusChem, Vol.3, No.7, 2010, pp.807-810.
- [Ramya et al., 2014] G. Ramya, R. Sudhakar, J. Amala Infant Joice, R. Ramakrishnan, T. Sivakuma., *Biofuel Production from Non-Edible Vegetable Oils through Catalytic Cracking Technology using Microporous, Mesoporous and Composite Catalysts*, PhD Thesis, Anna University, 2014, pp.141.
- [Silva et al., 2013] Victor Teixeira da Silya and Leandro A. Sousa. 2013. “Catalytic Upgrading of Fatsand Vegetable Oils for the Production of Fuels.” The Role of Catalysis for the Sustainable Production of Bio-fuels and Bio-chemicals, 2013, Pages 67-92.
- [Sirajudin et al., 2013] Sirajudin, N., Jusoff, K., Yan S., Ifa, L. and Roesyadi, A., “Biofuel Production from Catalytic Cracking of Palm Oil,” World Applied Sciences Journal, Vol.26, 2013, pp.67-71.

- [Siswanto et al., 2008] Siswanto D. Y., Salim G. W., Wibisono N., Hindarso H., Sudaryanto, Y. and Ismadji S., "Gasoline Production from Palm Oil via Catalytic Cracking using MCM-41: Determination of Optimum Condition," Journal of Engineering and Applied Sciences, Vol. 3, No.6, 2008, pp.42-45.
- [Twaiq et al., 1999] Farouq A. Twaiq et al. 1999. "Catalytic Conversion of Palm Oil to Hydrocarbons: Performance of Various Zeolite Catalysts." Ind. Eng. Chem. Res. 1999, 38:3230-3237.
- [Taufiqurrahmi et al., 2011] Niken Taufiqurrahmi et al. 2011. "Production of biofuel from waste cooking palm oil using nanocrystalline zeolite as catalyst: Process optimization studies." Bioresource Technology 102 (2011) 10686–10694.
- [Tamuñaidu et al., 2007] Pramila Tamunaïdu et al. 2007. "Catalytic cracking of palm oil for the production of biofuels: Optimization studies." Bioresource Technology 98 (2007) 3593–3601.
- [Twaiq et al., 1999] Twaiq, F. A., Zabidi, N. A. M. and Bhatia, S., "Catalytic Conversion of Palm Oil to Hydrocarbons: Performance of Various Zeolite Catalysts," Industrial & Engineering Chemistry Research, Vol.38, No.9, 1999, pp.3230-3237.
- [Twaiq et al., 2003] Twaiq, F. A., Zabidi, N. A. M., Mohamed, A. R. and Bhatia, S., "Catalytic Conversion of Palm Oil over Mesoporous Aluminosilicate MCM-41 for the Production of Liquid Hydrocarbon Fuels," Fuel Processing Technology, Vol.84, No.1-3, 2003, pp.105-120.
- [Twaiq et al., 2004] Twaiq, F., Mohamad, A. and Bhatia, S. "Performance of Composite Catalysts in Palm Oil Cracking for the Production of Liquid Fuels and Chemicals," Fuel Processing Technology, Vol.85, No.11, 2004, pp.1283-1300.

- [Wang et al., 2012] Wang, H., Yan, S., Salley, S. and Simon Ng, K. "Hydrocarbon Fuels Production from Hydrocracking of Soybean Oil Using Transition Metal Carbides and Nitrides Supported on ZSM-5," Industrial & Engineering Chemistry Research, Vol.51, No.30, 2012, pp.10066-10073.
- [Zakaria et al., 2012] Zakaria, Z., Linnekoski, J. and Amin, N., "Catalyst Screening for Conversion of Glycerol to Light Olefins," Chemical Engineering Journal, Vol.207-208, 2012, pp.803-813.
- [Zhang et al., 2011] Zhang, H., Cheng, Y., Vispute, T., Xiao, R. and Huber, G. "Catalytic Conversion of Biomass-Derived Feedstocks into Olefins and Aromatics with ZSM-5: the Hydrogen to Carbon Effective Ratio," Energy & Environmental Science, Vol.4, No.6, 2011, pp.2297-2307.
- [Zhao et al., 2015] Xianhui Zhao et al. 2015. "Catalytic cracking of camelina oil for hydrocarbon biofuel over ZSM-5-Zn catalyst." Fuel Processing Technology 139 (2015) 117–126.

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
Copyright© by Chiang Mai University
All rights reserved