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- Y. Gambo, A.A. Jalil*, S. Triwahyono, A.A. Abdurashed, Recent advances and future prospect in catalysts for oxidative coupling of methane to ethylene: A review, *Journal of Industrial & Engineering Chemistry* (Q1, IF4.421)

- F.H.

Mustapha, A.A. Jalil, M. Mohamed, S. Triwahyono, N.S. Hassan, N.F. Khusnun, C.N.C. Hitam, A.F.A. Rahman, L. Firmanshah, A.S. Zolkifli, New insight into self-modified surfaces with defect-rich rutile TiO₂ as a visible-light-driven Photocatalyst, *Journal of Cleaner Production* 168 (2017) 1150-1162 (Q1, IF5.715)

- N.F.M.

Salleh, A.A. Jalil, S. Triwahyono, A. Ripin, S.M. Sidik, N.A.A. Fatah, N. Salamun, N.F. Jaafar, M.H. Hassim, New direct consecutive formation of spinel phase in (Fe,Co,Ni)Al₂O₄ composites for enhanced Pd(II) ions removal, *Journal of Alloys and Compounds* 727C (2017) 744-765 (Q1, IF3.113)

- B.

Nabgan, T.A. Tuan Abdullah, M. Tahir, W. Nabgan, S. Triwahyono, A.A. Jalil, Y. Gambo, M. Ibrahim, K. Moghadamian, Pellet Size Dependent Steam Reforming of Polyethylene Terephthalate Waste for Hydrogen Production over Ni/La Promoted Al₂O₃ Catalyst, *International Journal of Hydrogen Energy* 42(34) (2017) 21571-21585 (Q1, IF3.582)

- Walid

Nabgan, Tuan Amran Tuan Abdullah, Ramli Mat, Bahador Nabgan, Yahya Gambo, Maryam Ibrahim, Arshad Ahmad, Aishah Abdul Jalil, Sugeng Triwahyono, Ibrahim Saeh Renewable hydrogen production from bio-oil derivative via catalytic steam reforming: An overview, *Renewable and Sustainable Energy Reviews* 79 (2017) 347-357 (Q1, IF8.05)

- N.H.R

Annuar, S. Triwahyono, A.A. Jalil, N. Basar, T.A.T. Abdullah, A. Ahmad, Effect of Cr₂O₃ loading on the properties and cracking activity of Pt/Cr₂O₃-ZrO₂, *Applied Catalysis A: General* 541 (2017) 77-86 (Q1, IF4.339)

- M.A.A.

Aziz; K. Puad; S. Triwahyono; A.A. Jalil; M.S. Khayoon; A.E. Atabani; Z. Ramli; Z.A. Majid; D. Prasetyoko; D. Hartanto, Transesterification of croton megalocarpus oil to biodiesel over WO₃ supported on silica mesoporous-macroparticles catalyst, *Chemical Engineering Journal* 316 (2017) 882-892 (Q1, IF6.216)

- M.Y.S.

Hamid; M.L. Firmansyah; S. Triwahyono; A.A. Jalil; R.R. Mukti; E. Febriyanti; V. Suendo; H.D. Setiabudi; M. Mohamed; W. Nabgan, Oxygen Vacancy-Rich Mesoporous silica KCC-1 for CO₂ Methanation, *Applied Catalysis A:General* 532 (2017) 86-94 (Q1, IF4.339)

- N.A.A.

Fatah, S. Triwahyono*, A.A. Jalil, N. Salamun, C.R. Mamat, Z.A. Majid, n-Heptane isomerization over molybdenum supported on bicontinuous concentric lamellar silica KCC-1: Influence of phosphorus and optimization

using response surface methodology (RSM), Chemical Engineering Journal 314 (2017) 650–659 (Q1, IF6.216)

- A.F.A.

Rahman, A.A. Jalil*, S. Triwahyono, A. Ripin, F.F.A. Aziz, N.A.A. Fatah, N.F. Jaafar, C.N.C. Hitam, N.F.M. Salleh, N.S. Hassan, Strategies for introducing titania onto mesostructured silica nanoparticles targeting enhanced photocatalytic activity of visible-light-responsive Ti-MSN catalysts, Journal of Cleaner Production 143 (2017) 948-959 (Q1, IF5.715)

- Walid

Nabgan, Tuan Amran Tuan Abdullah*, Ramli Mat, Bahador Nabgan, Aishah Abdul Jalil, Lutfi Firmansyah, Sugeng Triwahyono, Production of hydrogen via steam reforming of acetic acid over Ni and Co supported on La₂O₃ catalyst, International Journal of Hydrogen Energy 42 (2017) 8975-8985 (Q1, IF3.582)

- R.

Jusoh, A.A. Jalil, S. Triwahyono, A. Idris, N.M. Yusuf, Erratum to "Photodegradation of 2-chlorophenol over colloidal α -FeOOH supported mesostructured silica nanoparticles: Influence of a pore expander and reaction optimization [Sep. Purif. Technol. 149 (2015) 55–64] (Q1, IF3.359)

- N.F.

Jaafar, A.A. Jalil*, S. Triwahyono, Visible-light photoactivity of plasmonic silver supported on Mesoporous TiO₂ Nanoparticles (Ag-MTN) for enhanced degradation of 2-chlorophenol: Limitation of Ag-Ti interaction, Applied Surface Science 392 (2017) 1068-1077 (Q1, IF3.387)

- Othman, M.F., Lapari, S.S., Ramli, Z., Triwahyono, S., "Synthesis of mesoporous sodalite by mixed quaternary ammonium cation templates for Knoevenagel condensation reaction", Malaysian Journal of Analytical Sciences 21(4), pp. 860-870.

- Kusumaningtyas,

DT, Prasetyoko, D, Suprpto, S, Triwahyono, S, Jalil, AA, Rosidah, A, Esterification Of Benzyl Alcohol With Acetic Acid Over Mesoporous H-ZSM-5, Bulletin Of Chemical Reaction Engineering And Catalysis 12 (2017) 243-250.

- F.

Ariffin, S.M. Izan, A.A. Jalil, C.R. Mamat, N. Basar, J. Jaafar, H. Hamdan, S. Triwahyono, "Conversion of cellulose to short chain polyols over metal loaded on KCC-1 catalyst", Malaysian Journal of Catalysis 2 (2017) 86-90

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