**University of Nizwa**

College of Engineering and Architecture
Research Publications
**(2014-2015)**

| College of Engineering & Architecture | | | | | |
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| **Academic Year: 2014 - 2015** | | | | | |
| **#** | **Paper Details**<br>( Author(s) , title) | **Journal Details**<br>(Title, volume, issue, page.no, year, publisher, country) | **Journal Quality**<br>(SCI, ISI, Science direct, Scopus, Impact factor, SNIP, SJR etc.) | **No. of Citations** | **Dept.** |
| 1 | **Hosam Altaher**, ahmad alghamdi, waid omar, innovative biosorbent for the removal of cadmium Ions from wastewater | Environmental Engineering and Management Journal, April 2015, Vol.14, No. 4, 793-800. | Impact Factor 1.258 | | Chem. Eng. |
| 2 | Nasir Uddin, W.M.A.Wan Daud , ***Hazim F. Abbas*** .Co-production of hydrogen and carbon nanofibers from methane decomposition over zeolite y supported Ni catalysts | Energy Conversion & Management. 90, 218-229 2015 | Scopus (Impact Factor: 3.59) | | Chem. Eng. |
| 3 | Asadieraghi, M., Ashri Wan Daud, W.M., **Abbas, H.F**. Heterogeneous catalysts for advanced bio-fuel production through catalytic biomass pyrolysis vapor upgrading: A review | Royal Society of Chemistry Advances.,**5**, 22234-22255. 2015 | Scopus (Impact factor: 3.708) | | Chem. Eng. |
| 4 | Ashik, U.P.M., Wan Daud, W.M.A., **Abbas, H.F,** Production of greenhouse gas free hydrogen by thermocatalytic decomposition of methane - A review | Renewable & Sustainable Energy Reviews. 44 221–256. 2015 | Scopus (Impact Factor: 5.51) | | Chem. Eng. |

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| 5 | Usman, M., Wan Daud, W.M.A., **Abbas, H.F.** dry refroming of methane: influence of process parameters- a review. | Renewable & Sustainable Energy Reviews. 45, 710–744. 2015 | Scopus (Impact Factor: 5.51 | | Chem. Eng. |
| 6 | Nasir Uddin, W.M.A.Wan Daud , ***Hazim F. Abbas*** . Kinetics and deactivation mechanisms of the thermal decomposition of methane in hydrogen and carbon nanofiber Co-production over Ni-supported Y zeolite-based catalysts. | Energy Conversion and Management. 87, 796–809. 2014 | Scopus (Impact Factor: 3.59) | 2 | Chem. Eng. |
| 7 | Olumide B. Ayodele , ***Hazzim F. Abbas*** , Wan Mohd Ashri Wan Daud . Preparation and characterization of alumina supported nickel-oxalate catalyst for the hydro-deoxygenation of olic acid into normal and iso-octadecane biofuel. | Energy Conversion &Management., 88, 1111-1119. 2014 | Scopus (Impact Factor: 3.59) | 3 | Chem. Eng. |
| 8 | O. B. Ayodele, **Hazzim F. Abbas**, and Wan Mohd Ashri, Wan Daud. Preparation and Characterization of Zeolite Supported Fluoropalladium Oxalate Catalyst for Hydrodeoxygenation of Oleic Acid into Paraffinic Fuel | Ind. Eng. Chem. Res., ***2014***, 53 *(2), pp 650–657* | Scopus Impact factor 2.23 | | Chem. Eng |
| 9 | S. Pasa, J. Javanmardi, S. Aftab, **K. Nasrifar**, Experimental measurements and thermodynamic modeling of wax disappearance temperature for the binary systems n-$C_{14}H_{30}$ + n-$C_{16}H_{34}$, n-$C_{16}H_{34}$ + n-$C_{18}H_{38}$ and n-$C_{11}H_{24}$ + n-$C_{18}H_{38}$" | Fluid Phase Equibria Vol: 388 Page no. 93-99. Year: Feb. 2015 | Science Direct, Impact factor = 2.24 | | Chem. Eng. |
| 10 | **K. Nasrifar**, N. Rahmanian, High pressure solubility of light gases in heavy n- | Fluid Phase Equibria Vol: 381 | Science Direct, Impact factor | | Chem. Eng. |

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| | alkanes from a predictive equation of state: Incorporating Henry's law constant into binary interaction parameter | Page no. 95-101. Year: Nov. 2014 | = 2.24 | | |
| 11 | **Salam Al-Dawery** "Enhanced dynamics characterization of photo catalytic decolorization of hazardous dye Tartrazine using titanium dioxide", | The Desalination and Water Treatment, published on-line pp 1-9 | TAYLOR & FRANCIS Impact factor=1.17 | | Chem Eng |
| 12 | **Salam Al-Dawery** "Conditioning Processes and Characterization of Fresh Activated Sludge " | The Journal of Engineering Science & Technology, 10, 5, pp 692 – 711 | SCOPUS SJR=0.207 | | Chem Eng |
| 13 | **Salam Al-Dawery** **"**Adsorption of Methanol from Methanol-Water Mixture by Activated Carbon and Its Regeneration Using Photo-Oxidation Process". | The Desalination and Water Treatment, published on-line Pp 1-9 | TAYLOR & FRANCIS Impact factor=1.17 | 1 | Chem Eng |
| 14 | **Wameath Abdul-majeed**, esther karunakaran, catherine a. biggs and william b. Zimmerman "development of wastewater treatment system based on cascade dielectric barrier discharge plasma atomizers" | Journal of environmental science and health, part a (Published by Taylor & Francis, UK) | Scopus, Thomson Reuters Impact factor = 1.36 | | Chem Eng |
| 15 | **Ashraf m. h and Subhi aziz ali** "reusing waste plastic bottles as an alternative sustainable building materials" | Energy for Sustainable Development, 24, 2015, 79-85 | Science Direct, Impact factor = 2.34 | | Civil and Env. Engineering |
| 16 | Ahmed h.alwathaf, **waleed a. thanoon** and mohd s.jaafar ," finite element analysis of an alternative masonary wall system" | Proceedings of the ICE- Structures and Buidings, Vol 168, Issue 4 Pages :237-250 | | | Civil and Env. Engineering |