

Chemical and Petroleum Engineering

Year 2012

Conference Papers

1. Alraeesi, Y., and Tracy Q. Gardner, "Hydrogen transport through palladium membranes with and without deposited copper catalyst", Proceedings of 2012 AIChE Annual Meeting, Pittsburgh, Philadelphia, USA, October 28th to November 2nd, 2012..
2. Al-Zuhair S., K. Ahmed, A. Abdulrazak, Enzymatic pretreatment of date palm lignocellulosic waste for bioethanol production. 62nd Canadian Chemical Engineering Conference, 2012, Vancouver, Canada
3. Al-Zuhair S., M. Al-Hosany, Y. Zooba, A. Al-Hammadi, S. Al-Kaabi, Design of membrane bioreactor for enzymatic hydrolysis of cellulose. 2nd Inter. Conf. in Renew. Energy: Gen. and Appl., 2012, UAE
4. Cao A. E., I. Zuburtikudis, A. Gavriilidis (2012), "Oxidation of Rosalva to Costenal on Silver Catalyst in Microstructured Reactors", submitted and accepted for oral presentation in ISCRE 22 (International Symposium of Chemical Reaction Engineering), 2-5 September 2012, Maastricht, The NETHERLANDS.
5. Ghasem N.M., M. Al-Marzouqi, Modeling and simulation for the removal of pollutant gases from natural gas using membrane contactors. Advance in fluid mechanics & heat & mass transfer. WSEAS International Conferences Istanbul, Turkey, August 21-23, 2012. Page 147-152
6. Hossain, Md. M. and Omar Chaalal, Solvent Extraction of Ammonium Ions from seawater using Sunflower Oil, presented at ACEM12 (Advances in Wastewater Treatment session), 26-29 August, 2012, Seoul, Korea.
7. Hossain, Md. M., Treatment of Groundwater in a Hollow-Fibre Membrane Contactor for Removal of Ions, presented at ACEM12 (Advances in Wastewater Treatment session), 26-29 August, 2012, Seoul, Korea.

8. Yousif, S.M., Al-Marzouqi, A.H., Mohsin, M.A.,” Microencapsulation of Non-steroidal Anti-inflammatory Drugs into Biodegradable Polymers using Supercritical Fluid Technology”, 5th Asian Particle Technology Symposium (APT2012), July 2-5, 2012, Singapore.
9. Abu-Eishah, S.I. “Desertification: Causes and Possible Solutions”, Global Day for Anti-Desertification, organized by General Services and Environment Administration, Environment Protection Section in Fujairah, June 18, 2012.
10. Abu-Eishah, S.I. and Maraqa, M. “Minimization of SO₂ Emissions at Refineries and Gas Processing Plants by Seawater Scrubbing for Improved Air Quality”, a proposal submitted for funding to JCCP (Japan Center for Cooperation, Petroleum), April 16, 2012.
11. Abu-Eishah, S.I., “Reuse of Treated Wastewater in Power Plant Cooling Systems”, Forum on Treatment and Utilization of Wastewater (ملتقى معالجة واستثمار مياه الصرف الصحي), Nov. 19-20, 2012, Dubai.
12. Abu-Jdayil, B.,. Response Time of an ER-fluid under Shear and Flow Modes, 13th International Conference on Electrorheological Fluids and Magnetorheological Suspensions (ERMR2012), July 2-6, 2012, Ankara – Turkey.
13. Al-Attar, H., M. Mohamed, and M. Amin: “A Modified Version of the Aziz et al. Multiphase Flow Correlation Improves Pressure Drop Calculations in High-Rate Oil Wells,” SPE paper #154125 presented in the 2012 Europec incorporated with the 74th EAGE Conference & Exhibition held in Copenhagen, Denmark, 4 – 7 June, 2012.
14. Al-Khalid, T. and M. H. El-Naas, Aerobic Biodegradation of Chlorophenols in a Spouted Bed Bio-Reactor (SBBR), The 62nd Canadian Chemical Engineering Conference, Vancouver, Canada, October 2012
15. Alraeesi, A., and Tracy Q. Gardner, “Hydrogen transport through palladium membranes with and without deposited copper catalyst”, Proceedings of 2012 AIChE Annual Meeting, Pittsburgh, Philadelphia, USA, October 28th to November 2nd, 2012..

16. Alusta, G., Mackay, E.J., Fennema, J., Armih, K., and Collins, I.R.: "EOR vs. Infill Well Drilling: Sensitivity to Operational and Economic Parameters" paper SPE 150454 presented at the SPE North Africa Technology Conference and Exhibition, Cairo, Egypt, 20-22 February 2012.
17. Alusta, G., Mackay, E.J., Fennema, J., Armih, K., and Collins, I.R.: "EOR vs. Infill Well Drilling: Field application of new decision making technique" SPE 163298, presented at the SPE Kuwait International Petroleum Conference and Exhibition, Kuwait, 12-14 December 2012.
18. Alusta, G., Mackay, E.J., Fennema, J., Armih, K., and Collins, I.R.: "Case Study: A Decision Making Tool to Assist in Choosing Between EOR and Infill Well Drilling" The Twelfth Mediterranean Petroleum Conference and Exhibition (MPC 2012) November 20-22, 2012-Tripoli-Libya.
19. El-Naas, M. H. and R. Surkatti, Evaluation of the Biodegradation of P-cresol in a Spouted Bed Bio-Reactor (SBBR), The 15th International Biotechnology Symposium, Daegu, Korea, September 2012.
20. Ghasem, N., Mohamed Al-Marzouqi, "Modeling and simulation for the removal of pollutant gases from natural gas using membrane contactors", Advance in fluid mechanics & heat & mass transfer, World Scientific and Engineering Academy and Society (WSEAS) International Conferences Istanbul, Turkey, August 21-23, 2012.
21. M. Amin, A. Zekri, R. Almehaideb, and H. Al-Attar: "Optimization of CO₂ WAG Processes in a Selected Carbonate Reservoir- An Experimental Approach," SPE paper #161782 presented at the Abu Dhabi International Petroleum Exhibition & Conference held in Abu Dhabi, UAE, 11-14 November 2012.
22. Yousif, S.M., Al-Marzouqi, A.H., Mohsin, M.A., "Microencapsulation of Non-steroidal Anti-inflammatory Drugs into Biodegradable Polymers using Supercritical Fluid Technology", 5th Asian Particle Technology Symposium (APT2012), July 2-5, 2012, Singapore.

<i>Books</i>
<i>Edited Books</i>
<i>Book Chapters</i>
1. Hossain, Md. M., Developments in the Separation and Recovery of Penicillin G using Hollow-fiber Membrane Contactors. In <i>Penicillin: Biosynthesis, Application and Adverse Effects</i>. G. Barresi and P. Komulainen (Eds.), NOVA Science Publishers, New York, USA (2012)
<i>Patents</i>