

2009

1. Biomass-based energy fuel through biochemical routes: A review
R.C. Saxena, D.K. Adhikari, H.B. Goyal
Renewable and Sustainable Energy Review, 13(1), 167-178, January 2009
2. Effect of ageing on quality of jojoba oil from Indian locations
Savita Kaul, H.B. Goyal, A.K. Bhatnagar, A.K. Gupta
Industrial Crops and Products, 29 (1), 102-110, January 2009
3. An Efficient Synthesis of Poly(ethylene glycol)-Supported Iron(II) Porphyrin using a Click Reaction and its Application for the Catalytic Olefination of Aldehydes
Suman L. Jain, Jomy K. Joseph, Fritz E. Kühn, Oliver Reiser
Advanced Synthesis & Catalysis 351, (1-2), 230-234 January 2009
4. Energy-related applications of carbon materials-a review
Manoj Srivastava, Manoj Kumar , Ranvir Singh, U C Agarwal, M O Garg
Journal of Scientific & Industrial Research (CSIR), 68(2), 93-96, Feb 2009
5. Preface :
G. Murali Dhar, L.D. Sharma, B. Vishwanathan, M O Garg
Catalysis Today 141,(1-2), 1-2, March 2009
6. Studies on vanadium catalyzed direct hydroxylation of aromatic hydrocarbons using hydrogen peroxide as oxidant.
Jomy K. Joseph, Sweety Singhal, Suman L. Jain, R. Sivakumaran, Basant Kumar and Bir Sain*
Catalysis Today 141,(1-2), 211-214, March 2009
7. Effect of acid treatments on physico-chemical properties and isomerization activity of mordenite.
Sandeep K. Saxena, Raviraj Kamble, Madhulika Singh, M.O. Garg, N. Viswanadham
Catalysis Today 141,(1-2), 215-219, March 2009
8. Catalytic properties of nano-sized ZSM-5 aggregates
N. Viswanadham, Raviraj Kamble, Madhulika Singh, Manoj Kumar, G. Murali Dhar
Catalysis Today 141,(1-2), 182-186, March 2009
9. Acidity and catalytic activities of sulfated zirconia inside SBA-15
Shelu Garg, Kapil Soni, G. Muthu Kumaran, Rajaram Bal, Kinga Gora-Marek, J.K. Gupta, L.D. Sharma, G. Murali Dhar
Catalysis Today 141,(1-2), 125-129, March 2009
10. Structural changes of FCC catalyst from fresh to regeneration stages and associated coke in a FCC refining unit: A multinuclear solid state NMR approach
Babita Behera, Siddharth S. Ray
Catalysis Today 141,(1-2), 195-204, March 2009
11. Simulation of a fixed bed adsorber for thiophene removal
Soumen Dasgupta, Vasudha Agnihotri, Pushpa Gupta, Anshu Nanoti, Madhukar O. Garg, Amar N. Goswami
Catalysis Today 141,(1-2), 84-88, March 2009

12. Synthesis, characterization and catalytic activity of cobalt phthalocyanine tetrasulphonamide in sweetening of LPG
Gautam Das, Bir Sain, Sunil Kumar, M.O. Garg, G. Murali Dhar
Catalysis Today 141,(1-2), 152-156, March 2009
13. Creation of acid–base bifunctional catalysis for efficient C-C coupling reactions by amines immobilization on SiO₂, silica-alumina, and nano-H-ZSM-5
Ken Motokura, Nagabhatla Viswanadham, Gudimella Murali Dhar, Yasuhiro Iwasawa
Catalysis Today 141,(1-2), 19-24, March 2009
14. Recent Advances in Production of Bioethanol from Lignocellulosic Biomass
Sachin Kumar, S P Singh, I M. Mishra, D K. Adhikari¹
Chem. Eng. Technol. 2009, 32,(4) , 517–526, April 2009
15. A simple pH-based method for estimation of CO₂ absorbed in alkanolamines
A Masohan, Mamshad Ahmed, Nirmal, Sushil Kumar; Ajay Kumar, M O Garg,
Indian Journal of Science and Technology 2(4), 59-64, April (2009)
16. An efficient aerobic oxidative cyanation of tertiary amines with sodium cyanide using vanadium based systems as catalysts
Sweety Singhal, Suman L. Jain and Bir Sain,
Chem. Commun., 42, (17) 2371-2372, May 2009
17. Conversion of Calotropis procera biocrude to liquid fuels using thermal and catalytic cracking
K.V. Padmaja, N. Atheya, A.K. Bhatnagar
Fuel 88(5) , 780-785, May 2009
18. Self-Assembled Mesoporous Zirconia and Sulfated Zirconia Nanoparticles Synthesized. by Triblock Copolymer as Template
S K Das, M K Bhunia, A K Sinha, A Bhaumik
J Physical Chemistry C 113 (20), 8918-8923, May 2009
19. Surface reactivity and layer analysis of chemisorbed reaction films in the surface-chemical environment of alkyl octadecenoates
R B Chaudhary, O N Anand, O S Tyagi
J of Chem Sc 121(3), 353-360, May 2009
20. 3-D Ordered Mesoporous KIT-6 Support for Effective Hydrodesulfurization Catalysts
K. Soni, B.S. Rana, A.K. Sinha, A. Bhaumik, M. Nandi, M. Kumar, G.M. Dhar
Applied Catalysis B: Environmental, 90(1-2), 55-63, July 2009
21. Mesoporous Silica as Selective Sorbents for Removal of Sulfones from Oxidized Diesel Fuel
Nanoti, S. Dasgupta, A.N. Goswami, B.R. Nautiyal, T.V. Rao, B. Sain, Y.K. Sharma, S.M. Nanoti, M.O. Garg, P. Gupta
Microporous and Mesoporous Materials 124 (1-3) , 94-99 2009, Augt-Sept 2009
22. Effect of aromatics and iso-alkanes on the pour point of different types of lube oils
Siddharth S. Ray, Naval K. Pandey, Alok K. Chatterjee
Fuel 88(9), 1629-1633 , September 2009

23. New mesoporous titanium–phosphorus mixed oxides having bifunctional catalytic activity
Manidipa Paul, Nabanita Pal, Bharat Singh Rana, Anil Kumar Sinha, Asim Bhaumik
Catalysis Communications (10) 15, 2041-2045, September 2009
24. Studies on volatile characteristics of middle distillates and their interdependency.
Majhi, Arakshita; Kukreti, Vivek; Sharma, Digvijay; Sharma, Yogendra Kumar.
Preprints of Symposia - ACS, Division of Fuel Chemistry 54(2), 656-659, 2009
25. Upgrading of Candelilla biocrude to hydrocarbon fuels by fluid catalytic cracking
K.V. Padmaja, N. Atheya, A.K. Bhatnagar
Biomass and Bioenergy, 33,(12), 1664-1669, December 2009
26. Ethanol and xylitol production from glucose and xylose at high temperature by *Kluyveromyces* sp. IIPE453
Sachin Kumar, Surendra P Singh, Indra M. Mishra; D K Adhikari
Journal of Industrial Microbiology & Biotechnology 36(12), 1483-1489, Dec 2009
27. Nafion supported molybdenum oxychloride: Recyclable catalyst for one-pot synthesis of nitrones via direct condensation/oxidation of primary amines and aldehydes using UHP as oxidant
Bhawan Singh, Suman L. Jain, Praveen K. Khatri and Bir Sain,
Green Chem.11(12), 1941-1944, Dec 2009
28. Carbon Di-Oxide Removal with Mesoporous Adsorbents in a Single Column Pressure Swing Adsorber
Soumen Dasgupta; Anshu Nanoti, Pushpa Gupta; Dilip Jena; A N. Goswami; M O. Gar
Sep. Sci & Tech 44(16), 3973-3983. Dec 2009
29. A statistical study on the quality of jojoba oil from Indian locations - part I.
Savita Kaul, H B Goyal, A K Bhatnagar
Journal of Lipid Science and Technology 41(3), 83-87, 2009