

List of papers published in journals during April 2002-till date

1. Thermo-oxidative stability studies on some new generation API group II & III Base oils
A. Adhvaryu, S. Z. Erhan, S. K. Sahoo and I. D. Singh
Fuel 81(6), 785-791, April 2002
2. A study on copolymerisation of dodecyl – 4 vinyl benzoate and dodecyl acrylate by conventional and atom transfer nitroxide mediate free radical polymerisation
H S Bisht, S S Ray, D S Pandey C D Sharma, A K Chatterjee
J of Polymer Science Part A:– Polymer Chemistry 40(11)1818-1837, April 2002
3. Diffuse reflectance UV-VIS Spectroscopic study on ZSM-5 surface chemically modified by tetraethyl ortho silicate deposition
Indu Shekhar, S M Dhir, P Vijayanand & Lalji Dixit
Asian J Physics 11(2), 221-224, April, 2002
4. Ruthenium catalyzed oxidation of tertiary nitrogen comp with molecular oxygen “ An easy access to N-oxides under mild conditions
Suman L Jain, Bir Sain
Chemical Communication 10, 1040-1041, May 2002
5. Inhibitor screening tests for refinery overhead systems
R C Saxena, R K Chauhan, Jiya Nand, A Jayraman
Material Performance 36-39, May 2002
6. Cobalt phthalocyanine mediated aerobic oxidation of thiols: A simple and convenient preparation of disulphides.
T V Rao, K Narsimha Rao , Suman L Jain & Bir Sain
Synthetic Communication 32(8), 1151-1157 May 2002
7. A novel procedure for the synthesis of NH₃ incorporated VPO Phases
A Datta, H Agarwal, S Dasgupta
J Material Chemistry 12, 1892-1897, May 2002
8. Influence of pore size distribution on Pt dispersion in Pt-Sn/Al₂O₃ reforming catalyst
L D Sharma, Manoj Kumar, A K Saxena, J K Gupta & Moolchand
J Mol Catalysis 185(1-2) 135-141 Jul 2002
9. Gel formation in vacuum gas oil – Part I Role of composition
S P Srivastava, T Butz, G B Tiwari, H-J Oschmann and I Rahimian

Petroleum Science and Technology 20(3&4), 269-290, 2002

10. Gel formation in vacuum gas oil – Part II
Composition Vs Thermal behavior and additive response
S P Srivastava, T Butz, G B Tiwari, H-J Oschmann and I Rahimian
Petroleum Science and Technology 20(3&4), 291-304, 2002
11. Iron (III) – ethylenediaminetetra- acetic acid mediated aerobic oxidation of α -
hydroxy acetones simple and convenient synthesis of α - diketones
T V Rao, R S Dongree, Suman L Jain & Bir Sain
Synthetic Communication 32(17), 2637-2641, 2002
12. DBT degradation in hydrocarbon environment by resting cells of a novel
bacterium
H K Gondi, V S Saini & D K Adhikari
Biotechnology Letters 24, 779-781 June 2002
13. Novel vanadium phosphate phases as catalysts for selective oxidation
A Datta, Monika Agarwal and Soumen Dasgupta
Proc. Indian Acad Sci (Chem Sci) 114, 4, 379-390, 2002
14. A reactive analytical approach for the estimation of olefinic content in
gasoline-range hydrocarbons by GC.
Ashok K Puntha, Uma Shanker, K Narsimha and TSR Prasada Rao
J Chromatographic Science 40, 377-382, August 2002
15. Cobalt phthalocyanine catalyzed aerobic oxidation of secondary alcohols: an
efficient and simple synthesis of ketones
Vishal B. Sharma, Suman L. Jain and Bir Sain
Tetrahedron Letters 44, Issue 3, 575-577 Jan 2003
16. Aziridination of alkenes using N-iodo-N-potasio-p-toluenesulphonamide as
nitrene precursor
Suman L. Jain, Vishal B. Sharma and Bir Sain
Tetrahedron Letters 44, Issue 2, 383-386 January 2003
17. Metallophthalocyanines as potent catalysts for aziridination of olefins,
Suman L. Jain and Bir Sain
Journal of Molecular Catalysis A: Chemical, December 2002
18. A study on the copolymerisation behaviour of n-octyl acrylate and system in
conventional free radical polymerisation and nitroxide mediated living free
radical polymerisation system

H S Bisht, Mahesh Aloopwan & A K Chatterjee
European J Chemistry 38(12) 2355-2358, Dec 2002

19. Urea, Thio urea and Guanidine derivatives as multifunctional fuel stabilizers
Priyanka Juyal, O N Anand
Fuel 82, 1, 97-103, Jan 2003