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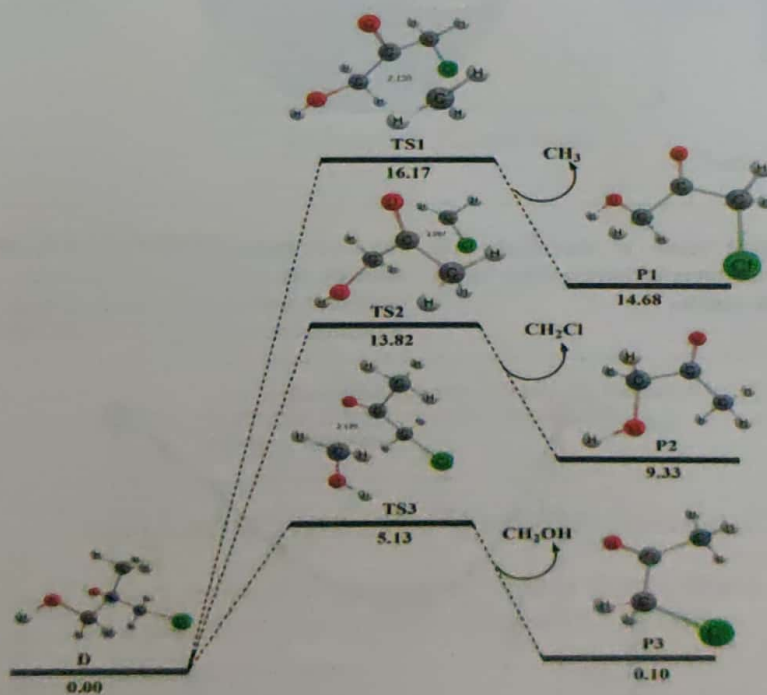
NUMBER 09

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## CONTENTS

### Papers

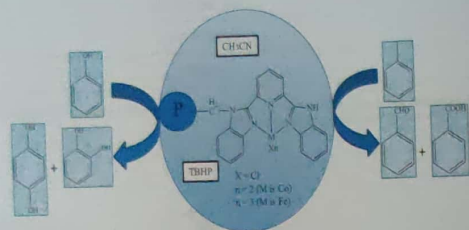
- 957 Decomposition and kinetics of  $\text{CH}_2(\text{OH})\text{C}(\text{O})^{\cdot}(\text{CH}_3)\text{CH}_2\text{Cl}$  radical in the atmosphere: A quantum mechanical study



Subrata Paul, Ramesh Chandra Deka\* & Nand Kishor Gour\*

964 Oxidation of phenol and toluene over polymer supported Co(II) and Fe(III) catalysts

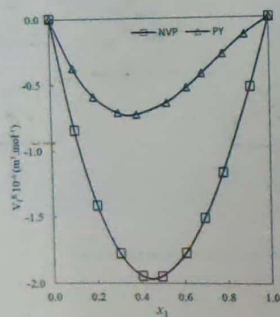
At optimized conditions, Fe(PS-BBP)Cl<sub>2</sub> gave 92.3 % conversion of phenol and 88.2 % toluene whereas, Co(PS-BBP)Cl<sub>2</sub> gave 97.5 and 86.3 % conversion of phenol and toluene respectively.



M K Renuka & V Gayathri\*

972 Temperature dependent study of thermophysical properties of binary mixtures of imidazolium based ionic liquids with cyclic amides

The excess thermodynamic parameters and deviations in refractive index of [Bmim][PF<sub>6</sub>] + cyclic amides binary mixtures indicate significant interactions in these mixtures, which follows the order: 2-Pyrrolidinone < N-Vinyl-2-Pyrrolidinone at 298.15 K.

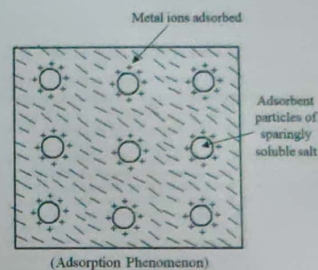
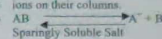


S Govardhana Rao, T Srinivasa Krishna\* & K Narendra

985 Prediction of  $K_{sp}$  sequence for some sparingly soluble salts from  $K_a$  values of metal ions on some inorganic ion exchangers based on tin and silicon- A new approach

NOTES

$K_{sp}$  sequence of various silicon based salts with heavy metal ions has been predicted on the basis of adsorption behavior of these ions on their columns



S D Sharma\* & K G Varshney

783 Guide to Authors

Authors for correspondence are indicated by (\*)

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