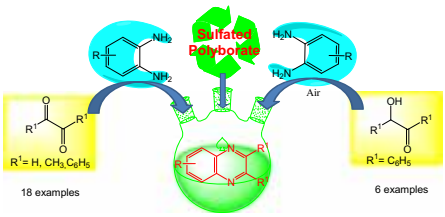
Journal of Chemical Sciences

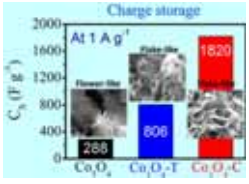
[Formerly: Proceedings (Chemical Sciences)] Vol. 129, No. 2, February 2017

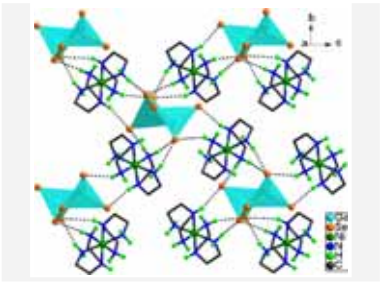
CONTENTS

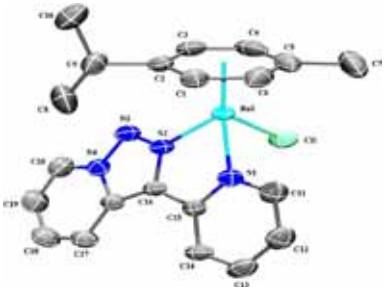
Rapid Communication

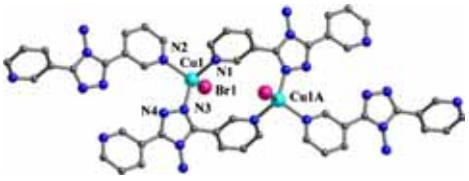


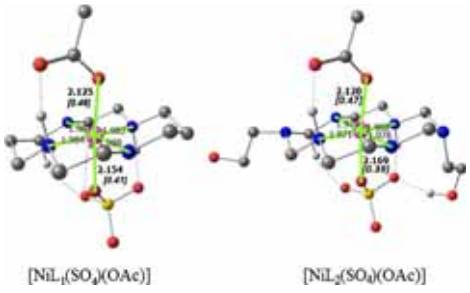
Regular Articles

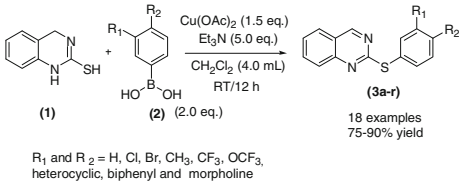


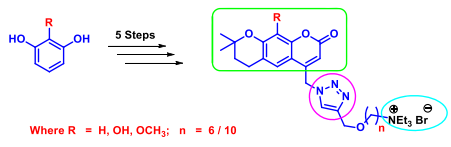


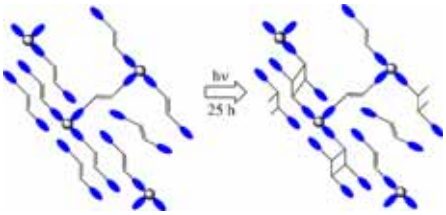


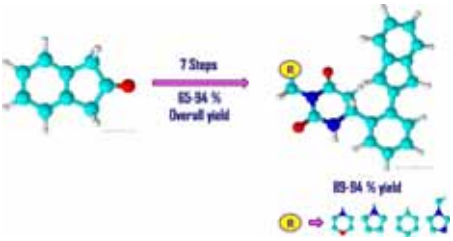


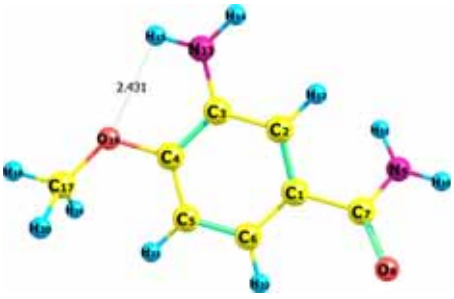


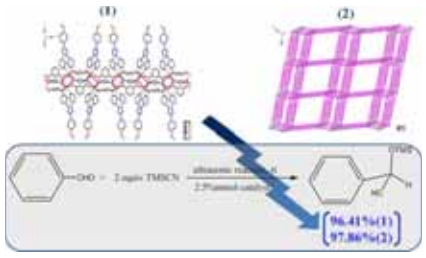


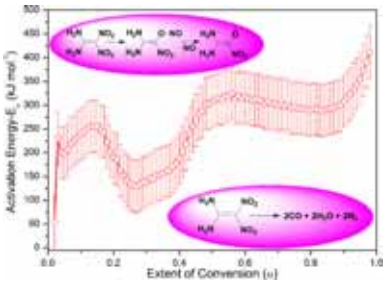












Experimental investigations of thermal decomposition kinetics of 1,1-Diamino-2,2-Dinitroethylene (γ-Fox-7), DADNE at a lower heating rate was studied using Differential Scanning Calorimetry and Thermogravimetry. The results suggest that DADNE exhibits two different decomposition pathways. During thermogravimetric analysis it undergoes nitro-nitrite rearrangement-mediated decomposition leading to the formation of CO, H_2O and N_2.

Cover picture: Morphology-dependent charge storage in Co_3O_4/Ni foam. For details, see the paper by G Rajeshkhanna *et al.* (pp. 157–166)

Indexed in CURRENT CONTENTS ISSN 0974-3626

Edited and published by Prof. Amitabh Joshi for the Indian Academy of Sciences, Bangalore 560 080.
Printed at Printek Printers, Bangalore 560 079.