

List of Publications of Professor Brindaban C. Ranu

1. Eco-friendly and versatile brominating reagent prepared from liquid bromine precursor - S. Adimurthy, G. Ramachandraiah, A. V. Bedekar, S. Ghosh, B. C. Ranu and P. K. Ghosh, *Green Chemistry*, **2006**, 000.
2. Indium(I) Iodide Promoted Cleavage of Dialkyl/Diaryl Disulfides and Subsequent anti-Markovnikov Addition to Styrenes: A New Route to Linear Thioethers – B.C. Ranu and T. Mandal, *Tetrahedron Lett.* **2006**, 47, 000.
3. An Indium-TMSCI Promoted Reaction of Diphenyl Diselenides and Aldehydes : A Novel Route to Selenoacetals and Alkyl Phenyl Selenides – B.C. Ranu and T. Mandal, *Tetrahedron Lett.* **2006**, 47, 5677.
4. Ionic Liquid as Catalyst and Reaction Medium : A Simple, Efficient and Green Procedure for Knoevenagel Condensation of Aliphatic and Aromatic Carbonyl Compounds using Basic Ionic Liquid, [bmIm]OH – B.C. Ranu and R. Jana, *Eur. J. Org. Chem.* **2006**, 000.
5. Indium Triflate Catalyzed Rearrangement of Aryl-substituted Cyclopropyl Carbinols to 1,4-Disubstituted 1,3-Butadienes – B.C. Ranu and S. Banerjee, *Eur. J. Org. Chem.* **2006**, 3012.
6. Indium(I) Iodide Promoted Cleavage of Dialkyl Disulfides : Application in Michael Addition of Thiolate Anions to Conjugated Carbonyl Compounds and Regioselective Ring Opening of Epoxides – B.C. Ranu and T. Mandal, *Can. J. Chem.* **2006**, 84, 762.
7. Zinc Tetrafluoroborate Catalysed Simple and Efficient Synthesis of Highly Substituted Pyrroles by a Solvent-free Reaction – B.C. Ranu, S. Ghosh and A. Das, *Mendeleev Com*, **2006**, 0000.
8. Indium(I) Iodide as a Radical Initiator: Intramolecular Cyclization of Functionalized Bromo-Alkynes to Substituted Tetrahydrofurans – B.C. Ranu and T. Mandal, *Tetrahedron Lett.* **2006**, 47, 2859.
9. Catalysis by Ionic Liquids : Cyclopropyl Carbonyl Rearrangements Catalyzed by [pmIm]Br under organic solvent free conditions – B.C. Ranu, S. Banerjee and A. Das, *Tetrahedron Lett.* **2006**, 47, 881.

10. Indium(I) Iodide Promoted Cleavage of Diphenyl Diselenide and Subsequent Palladium(0)-Catalyzed Condensation with Vinyl Selenides. A simple One-Pot Synthesis of Vinylic Selenides and Sulfides – B.C. Ranu, K. Chattapadhyay and S. Banerjee, *J. Org. Chem.* **2006**, *71*, 423.
11. Catalysis by Ionic Liquid. A Green Protocol for the Stereoselective Debromination of *vicinal*-Dibromides by [pmIm]BF₄ under Microwave Irradiation – B.C. Ranu and R. Jana, *J. Org. Chem.* **2005**, *70*, 8621.
12. Use of Ionic Liquid as Green Catalyst, Reagent as well as Reaction Medium in Chemical Transformations – B.C. Ranu, Journal of Fudan University (Natural Science), **2005**, *44*, 785.
13. Ionic Liquid as a Catalyst and Reaction Medium : A Simple, Convenient and Green Procedure for the Synthesis of Thioethers, Thioesters and Dithianes using an Inexpensive Ionic Liquid, [pmIm]Br – B.C. Ranu and R. Jana, *Adv. Synth. Catal.* **2005**, *347*, 1811.
14. Ionic liquid as a Catalyst and Reaction Medium. The Dramatic Influence of a Task Specific Ionic Liquid [bmIm]OH in Michael Addition of Active Methylene Compounds to Conjugated Ketones, Carboxylic Esters and Nitriles – B.C. Ranu and S. Banerjee, *Org. Lett.* **2005**, *7*, 3049.
15. Ionic Liquid as Reagent. A Green Procedure for the Regioselective Conversion of Epoxide to *vicinal*-Halohydrins using [AcMIm]X under Catalyst and Solvent-Free Conditions – B.C. Ranu and S. Banerjee, *J. Org. Chem.* **2005**, *70*, 4517.
16. A Convenient Synthesis of α -Phenylselenocarbonyl Compounds by In-TMSCl Promoted Cleavage of Diphenyl Diselenide and Subsequent Michael Addition – B.C. Ranu and A. Das, *Adv. Synth. Catal.* **2005**, *347*, 712.
17. Direct Halogenation of Alcohols and Their Derivatives Using Ter-Butyl Halides in Ionic Liquid, [pmIm]Br Under Sonication – A Novel, Efficient and Green Methodology – B.C. Ranu and R. Jana, *Eur. J. Org. Chem.* **2005**, 755.
18. Indium(III) Chloride – Catalyzed Michael Addition of Thiols to Chalcones : A Remarkable Solvent Effect –B.C. Ranu, S.S. Dey and S. Samanta, *ARKIVOC* (Commemorative issue in honor of the 70th anniversary of Dr. A.V. Rama Rao), **2005(iii)**, 44.

19. Selective Reductive Cleavage of 2,3-Epoxybromides by the $\text{InCl}_3\text{-NaBH}_4$ Reagent System – B.C. Ranu, S. Banerjee and A. Das, *Tetrahedron Lett.* **2004**, 45, 8579.
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26. An Efficient and Green Synthesis of 2-Arylbenzothiazoles in an Ionic Liquid, $[\text{pmIm}]\text{Br}$ under Microwave Irradiation – B.C. Ranu, R. Jana and S.S. Dey, *Chem. Lett.* **2004**, 33, 274.
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