

عنوان مقاله:

SYNTHESIS AND CHARACTERIZATION OF TWO IMIDAZOLIUM BASED HYDROPHILIC AND LIPOPHILIC IONIC LIQUIDS

محل انتشار:

چهارمین همایش ملی شیمی، پتروشیمی و نانو ایران (سال: 1395)

تعداد صفحات اصل مقاله: 7

نویسندگان:

Nastaran Hazrati - *Department of Chemistry, Amirkabir University of Technology, Tehran, Iran*

Ali Akbar Miran Beigi - *Research Institute of Petroleum Industry, Tehran, Iran*

Majid Abdouss - *Department of Chemistry, Amirkabir University of Technology, Tehran, Iran*

Ali Asghar Pasban - *Research Institute of Petroleum Industry, Tehran, Iran*

خلاصه مقاله:

Two imidazolium based ionic liquids, hydrophilic 1-decyl-3-methylimidazolium chloride ([C10MIM][Cl]) and hydrophobic 1-decyl-3-methylimidazolium bis(trifluoromethylsulfonyl) imide ([C10MIM][NTf2]) were prepared and a variety of their fundamental properties such as density, viscosity, surface tension and refractive index were investigated as a function of temperature. Herein the influence of structural variations in the identity of the anion on physical properties of the ionic liquids is determined.

کلمات کلیدی:

Pure fluids, Room temperature ionic liquids, Physical properties, Temperature dependence

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