عنوان مقاله:

Arrhenius model to inspect the composition dependence viscosities of binary systems involving ionic liquids

محل انتشار:

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خلاصه مقاله:

Many viscosity datasets for binary systems analyzed with the Arrhenius model to inspect thecomposition dependence of the Arrhenius fit parameters activation energy, E_a, and y-intercept, lnA.The majority of the binary systems show linear dependence of E_a and lnA with mole fraction, eitherover the entire range of composition or over a wide range of compositions, typically between $0.2 < x_{IL} < 1.0$. These findings are useful for estimating unknown viscosities for binary systems involving ILs.

کلمات کلیدی:

ionic liquids, viscosity, activation energy, binary system

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