

Positron annihilation in and compressibility of liquid water + tert-butyl alcohol mixtures.

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Rok wydania

1997

Czasopismo

Chemical Physics

Numer woluminu

214

Strony

143-149

DOI

10.1016/S0301-
0104(96)00273-X

Kolekcja

Naukowa

Język

Angielski

Typ publikacji

Artykuł

Streszczenie

Aqueous solutions of tert-butyl alcohol (2-methyl-2-propanol) were investigated using sound velocity and positron annihilation methods. The results are interpreted in terms of changing the structure of the solution, especially the formation of clathrate-like hydrates. The annihilation method was found to be applicable for investigating the structure of aqueous solutions of nonelectrolytes; the lifetime and intensity of the long-lived component of the annihilation spectrum were found to be sensitive for structural rearrangements in liquid.

Adres publiczny

[https://doi.org/10.1016/S0301-0104\(96\)00273-X](https://doi.org/10.1016/S0301-0104(96)00273-X)

Strona internetowa wydawcy

<http://www.elsevier.com>