

## Structure of aqueous solutions of tetrabutylammonium bromide investigated by positron annihilation and ultrasonic methods.

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### Czasopismo

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42

### Strony

123-130

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Artykuł

### Streszczenie

Structure of aqueous solutions of tetra-*n*-butylammonium bromide was investigated using sound velocity and positron annihilation methods. Surprisingly, the results are different than those obtained earlier for systems where hydrophobic hydration occurs. No evidences for formation of clathrate-like hydrates in liquid phase were observed. The results are interpreted, among others, in terms of competition between different hydrates of tetrabutylammonium cations, hydration of bromide anions, and cation-cation and cation-anion interactions.