

Spectroscopic properties of praseodymium perchlorates in alcohols and 2-halogeno derivatives of ethanol. Part III.

Autorzy

Barbara Keller

Janina Legendziewicz

Rok wydania

1995

Czasopismo

Journal of Applied
Spectroscopy

Numer woluminu

62

Strony

725-730

DOI

10.1007/BF02606522

Kolekcja

Naukowa

Język

Angielski

Typ publikacji

Artykuł

Streszczenie

Recently we reported the results of spectroscopic investigations of lanthanide anhydrous and hydrated perchlorates in nonaqueous solvents. The main goal was explanation of electron-relaxation processes in the systems studied as well as the mechanism of hypersensitive-transition intensity variations. The intensity variations were discussed within the framework of Mason's polarizability mechanism [13, 4]. The applicability of the ligand-polarizability mechanism is excellent for 2-halogeno derivatives of ethyl alcohol, but it fails for its 2-fluoro-, bromo-, and iododerivatives. In this paper an effort was made to examine Mason's polarizability mechanism for praseodymium systems.

Adres publiczny

<https://doi.org/10.1007/BF02606522>

Strona internetowa wydawcy

<http://link.springer.com>