Thematic Section: Physico-Chemical Research.					]	Full Pap	er	•
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Subsection: Physical Chemistry. Registration Code of Publication: 13-35-8-67

The article is published on the materials of speech at the XX All-Russian Conference "The structure and dynamics of molecular systems." Yalchik 2013.

Publication is available for discussion in the framework of the on-line Internet conference "*Butlerov readings*". http://butlerov.com/readings/

Contributed: July 8, 2013.

## Heteronuclear titanium(IV) and dysprosium(III) citrates in aqueous solutions

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**Keywords:** Heteronuclear titanium(IV) and dysprosium(III) citrates, complex formation, nuclear magnetic relaxation, mathematical simulation.

## **Abstract**

The titanium(IV) – citric acid system was studied by the method of nuclear magnetic relaxation in conjunction with mathematical simulation in the molar reactant ratios 1:1:4 and 1:1:6. The composition, stability and the quantity of accumulation of heteronuclear titanium(IV) and dysprosium(III) complexes with citric acid in aqueous solution were calculated. The formation forms of 1:1:2, 1:1:3, 1:1:4, 2:2:8, 1:1:6 were determined.