

AK2 – Seminar 4 rješenja

Z1. A: $\text{TiO}_{0,9}$; B: Ti_2O_3 ; C: Ti_3O_5

Z2. $[\text{Ti}(\text{OCH}_3)_4]_4$

Z3. $[\text{VO}(\text{acac})_2]$

Z4. $[\text{VO}(\text{C}_{10}\text{H}_9\text{O}_2)_2]$

Z5. $[\text{VO}_2(\text{SO}_4)_2(\text{H}_2\text{O})_2]$

Z6. $[\text{VCl}_2(\text{acac})_2]$; $[\text{V}(\text{acac})_3][\text{SbCl}_6]$

Z7. A: $[\text{CrF}_6]^{3-}$; B: $[\text{CrF}_4(\text{en})]^-$; C: $[\text{Cr}(\text{O}_2)_2(\text{H}_2\text{O})(\text{en})]$; $\mu(\text{Cr}^{4+}) = 2,83$; $\mu(\text{Cr}^{3+}) = 1,73$

Z8. A: $(\text{NH}_4)_3[\text{Cr}(\text{O}_2)_4]$; B: $[\text{Cr}(\text{O}_2)_2(\text{NH}_3)_3]$; O_2^{2-} se veže monodentatno, didentatno kelatno, didentatno premošćujuće

Z9. A: $[\text{CrO}_2\text{Cl}_2]$; B: $[\text{CrO}_2\text{Cl}(\text{CH}_3\text{CH}_2\text{O})] \cdot 2\text{CH}_3\text{CH}_2\text{OH}$