

**Ligand-Interchange Reactions Between M(IV) (M = Ti, V) Oxide Bis-Acetylacetonates and Halides of High Valent Groups 4 and 5 Metals.
A Synthetic and Electrochemical Study**

Tiziana Funaioli, Fabio Marchetti, Guido Pampaloni, Stefano Zacchini

SUPPORTING INFORMATION

Figure S1. IR spectrum (solid state, UATR) of $\text{TiO}(\text{acac})_2$.

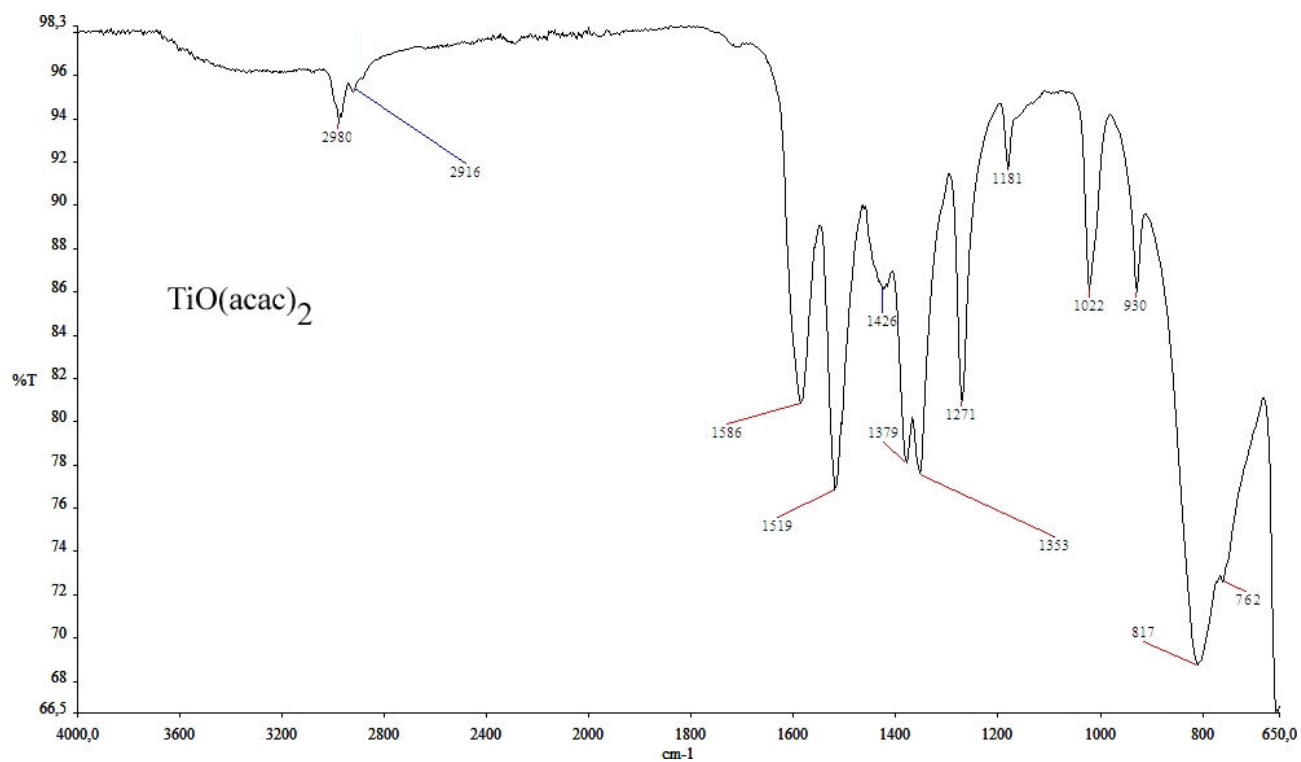
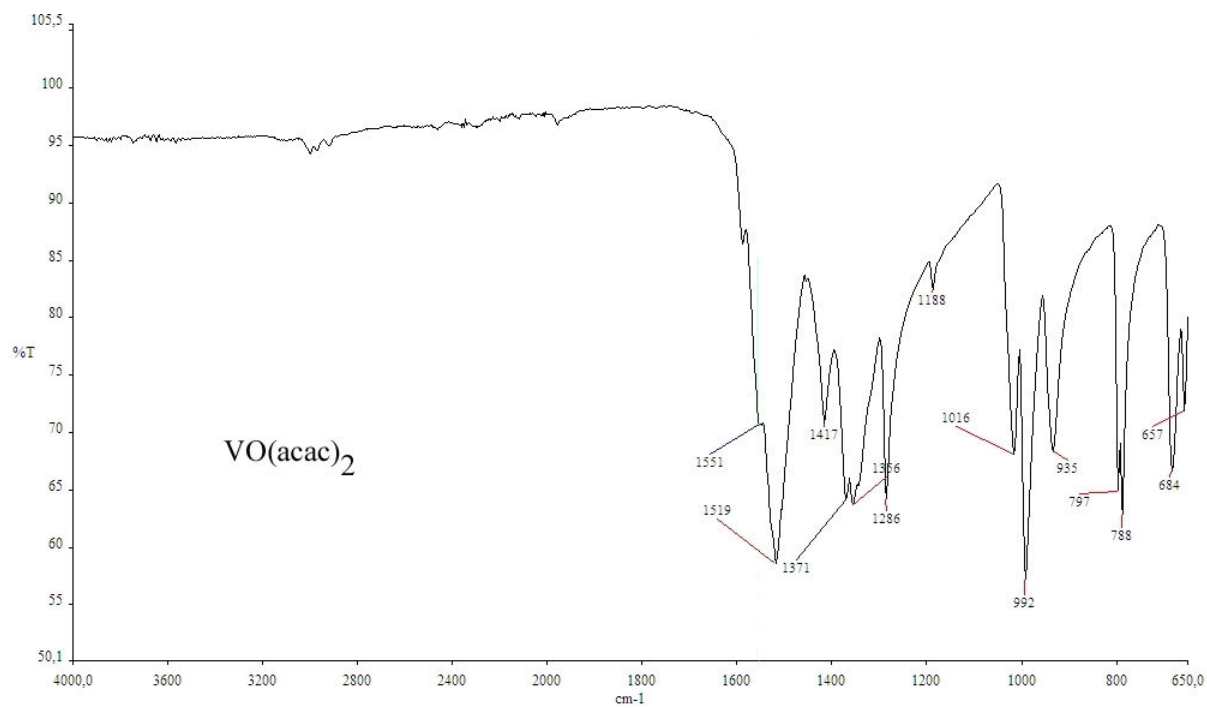


Figure S2. IR spectrum (solid state, UATR) of VO(acac)₂.



**Figure S3. IR spectrum (solid state, UATR) of
[TaF₄{OTi(acac)₂}₂][TaF₆], 3.**

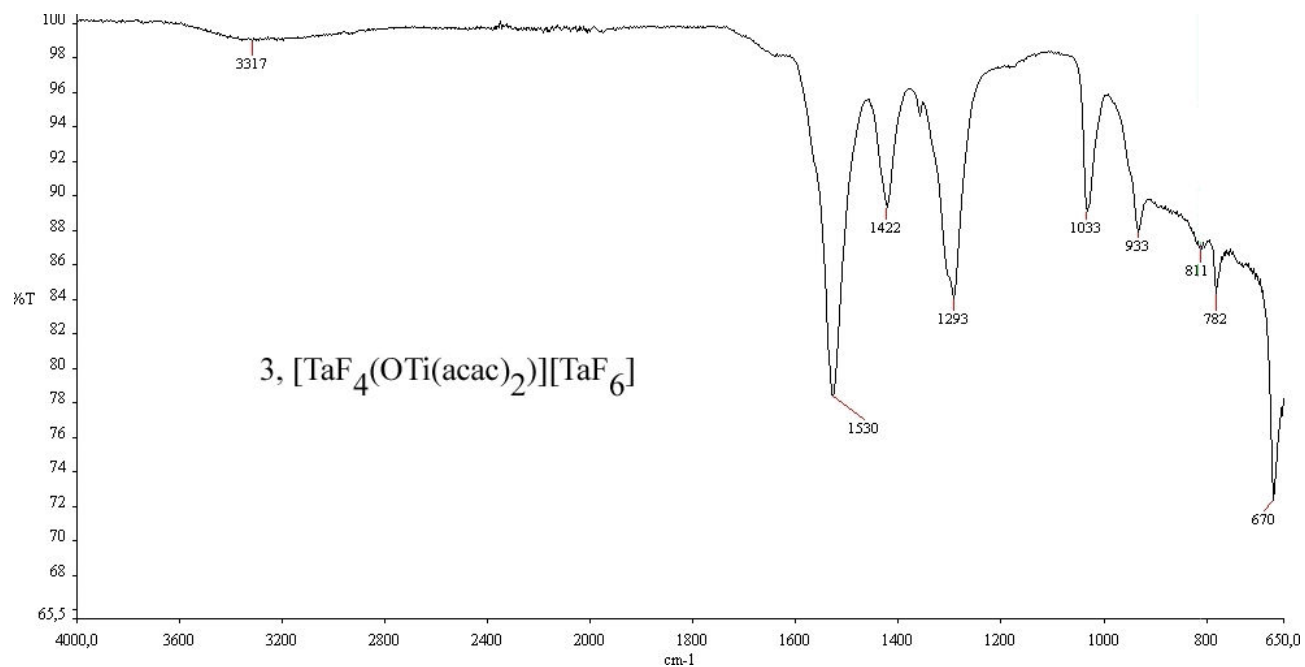


Figure S4. IR spectrum (solid state, UATR) of $[\text{V}(\text{acac})_3][\text{NbF}_6]$, 4a.

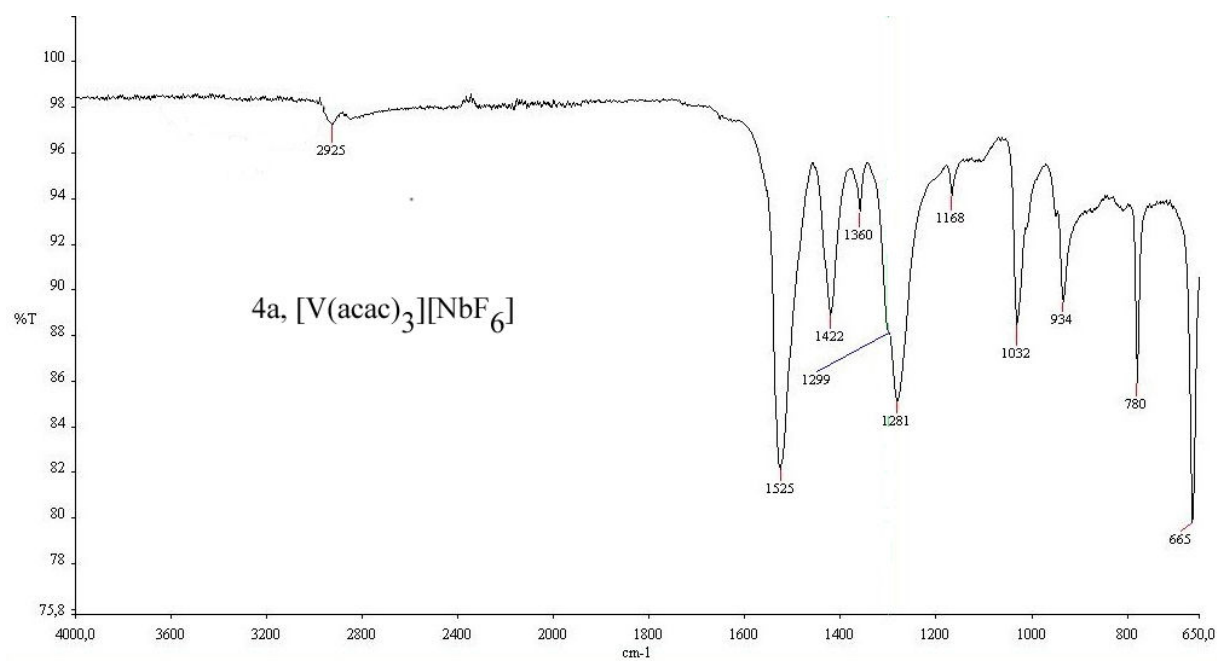


Figure S5. IR spectrum (solid state, UATR) of $[\text{V}(\text{acac})_3][\text{TaF}_6]$, 4b.

