

**Publication**

A new polymorph of 4'-tolyl-2,2':6',2''-terpyridine (ttpy) and the single crystal structures of [Fe(ttpy)<sub>2</sub>][PF<sub>6</sub>]<sub>2</sub> and [Ru(ttpy)<sub>2</sub>][PF<sub>6</sub>]<sub>2</sub>

**Journal Article (Originalarbeit in einer wissenschaftlichen Zeitschrift)****ID** 43254**Author(s)** Beves, Jonathon E.; Chwalisz, Paulina; Constable, Edwin C.; Housecroft, Catherine E.; Neuburger, Markus; Schaffner, Silvia; Zampese, Jennifer A.**Author(s) at UniBasel** [Constable, Edwin Charles](#) ; [Housecroft, Catherine](#) ; [Neuburger, Markus](#) ;**Year** 2008**Title** A new polymorph of 4'-tolyl-2,2':6',2''-terpyridine (ttpy) and the single crystal structures of [Fe(ttpy)<sub>2</sub>][PF<sub>6</sub>]<sub>2</sub> and [Ru(ttpy)<sub>2</sub>][PF<sub>6</sub>]<sub>2</sub>**Journal** Inorganic Chemistry Communications**Volume** 11**Number** 9**Pages / Article-Number** 1009-1011**Keywords** 4'-tolyl-2,2':6',2''-terpyridine, coordination, polymorph, iron, ruthenium

Single crystals of a new polymorph of 4'-tolyl-2,2':6',2''-terpyridine (ttpy) have been grown by evaporation of a hexane-ethyl acetate solution of the ligand; the packing features weak pi-stacking and N-Pyridine...HC interactions between stacks of ttpy molecules. Improved syntheses of [M(ttpy)<sub>2</sub>][PF<sub>6</sub>]<sub>2</sub> (M = Fe, Ru), and the single crystal structures of [Fe(ttpy)<sub>2</sub>][PF<sub>6</sub>]<sub>2</sub>·2.2MeCN and [Ru(ttpy)<sub>2</sub>][PF<sub>6</sub>]<sub>2</sub>·1.75MeCN·0.2H<sub>2</sub>O are reported.

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