

## Readme for Data Catalogue for Co- and Fe – pyterpy electrochemical and nano-ring

The .zip archive contains analysed STM conductance data. This includes Ionic liquid experiments for the following targets: Co(pyterpy) (electrochemical) and Fe(pyterpy) (electrochemical) and also nano-ring data as labelled in the Origin files.

These files are readable with Origin. Creation dates can be found under “Windows>Properties”.

Can be opened in OriginLabs software, details within file. Experimental protocols and published data for Co(pyterpy) (electrochemical) and Fe(pyterpy) (electrochemical) can be found in the following published work:

Chappell, S., et al., Evidence for a hopping mechanism in metal| single molecule| metal junctions involving conjugated metal-terpyridyl complexes; potential-dependent conductances of complexes  $M(\text{pyterpy})(2) (2+)$  ( $M = \text{Co}$  and  $\text{Fe}$ ;  $\text{pyterpy} = 4'-(\text{pyridin-4-yl})-2,2':6',2''\text{-terpyridine}$ ) in ionic liquid. Faraday Discussions, 2016. 193: p. 113-131.