

Readme File

Folder	Description
"6V6 Electrochemistry"	Contains cyclic voltammetry data for molecule 6V6 (1^{2+}) monolayer on Au(111) and also surface complexes with CB[8]. With electrolytes NaPF_6 and phosphate buffer (PB).
"STM Conductance"	Contains I(s) curves for the molecule 6V6, 6V6-CB[8], BzVBz, BzVBz-CB[8], RJD1273Cl and RJD1273Cl-CB[8]. Folders names refer to the target molecule as listed in the key below: 6V6 = 1^{2+}. CB[8] = curcurbit[8]uril. BzVBz = 2^{2+}. RJD1273Cl = 3^{2+}. These can be viewed individually in NotePad or with PicoScan software version 5.3.3. The header for each file contains parameters and creation date and time.
"Viologens – CB[8] Characterisation"	Contains mass spectroscopy, NMR and UV visible spectroscopy data for the viologens with CB[8]. Folders names refer to the target molecule as listed in the key below: 6V6 = 1^{2+}. CB[8] = curcurbit[8]uril. BzVBz = 2^{2+}. RJD1273Cl = 3^{2+}.
"STM analysed 12+.zip"	Contains analysed STM conductance data for 6v6 = 1^{2+}. These files are readable with Origin. Creation dates can be found under "Windows>Properties".
"STM analysed 12+ -CB[8].zip"	Contains analysed STM conductance data for 6v6 = 1^{2+} complexed with CB[8]. These files are readable with Origin. Creation dates can be found under "Windows>Properties".
"STM analysed 22+.zip"	Contains analysed STM conductance data for BzVBz = 2^{2+}. These files are readable with Origin. Creation dates can be found under "Windows>Properties".
"STM analysed 22+ -CB[8].zip"	Contains analysed STM conductance data for BzVBz = 2^{2+} complexed with CB[8]. These files are readable with Origin. Creation dates can be found under "Windows>Properties".
"STM analysed 32+.zip"	Contains analysed STM conductance data for RJD1273Cl = 3^{2+}. These files are readable with Origin. Creation dates can be found under "Windows>Properties".

“STM analysed 32+ -CB[8].zip”	Contains analysed STM conductance data for RJD1273Cl = 3^{2+} complexed with CB[8]. These files are readable with Origin. Creation dates can be found under “Windows>Properties”.
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