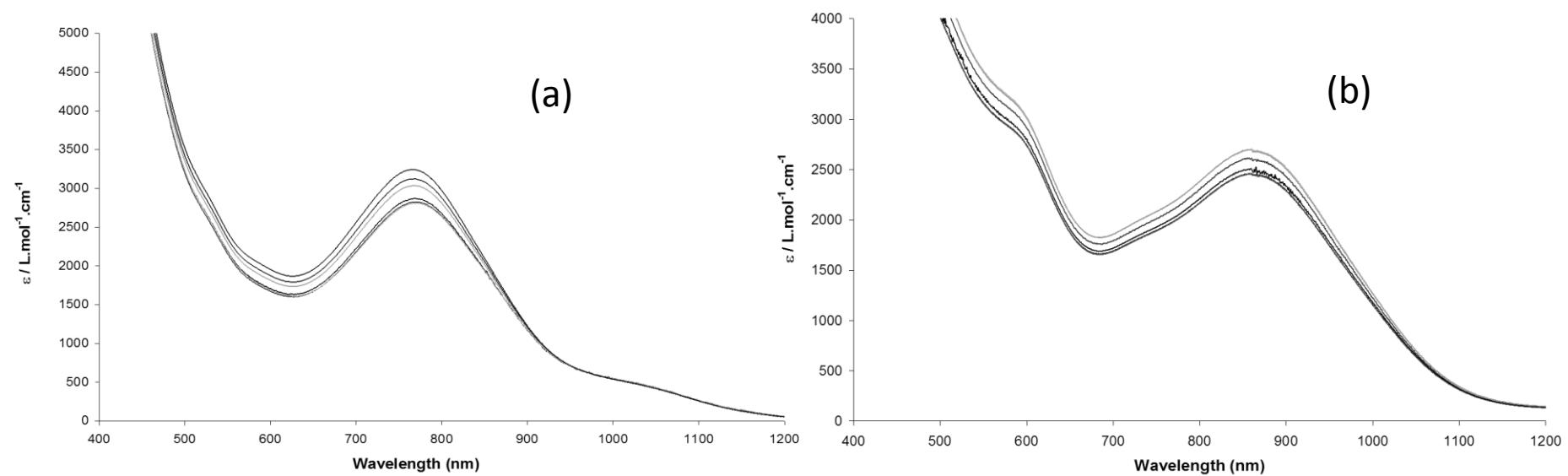


{AsW₉O₃₃}-{Mo₃S₄} Based Polyoxometalates Including a Metal-Metal bond with Pd or Ni. Synthesis, structure and studies in solution

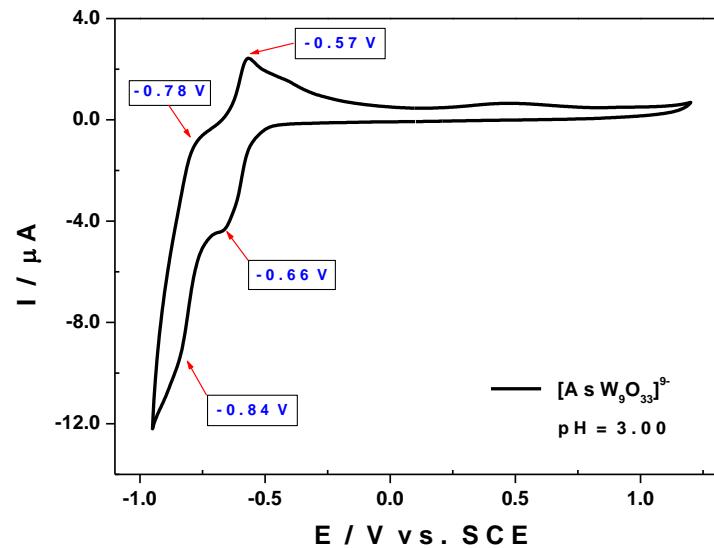
Sylvain Duval, Jérôme Marrot, Corine Simonnet-Jégat, Israël Martyr Mbomékallé,
Maxim Sokolov and Emmanuel Cadot

University of Versailles Saint Quentin, Institute Lavoisier of Versailles, ILV, UMR CNRS
8180, 45 Avenue des Etats-Unis, 78035 Versailles Cedex (France)

Supporting Informations

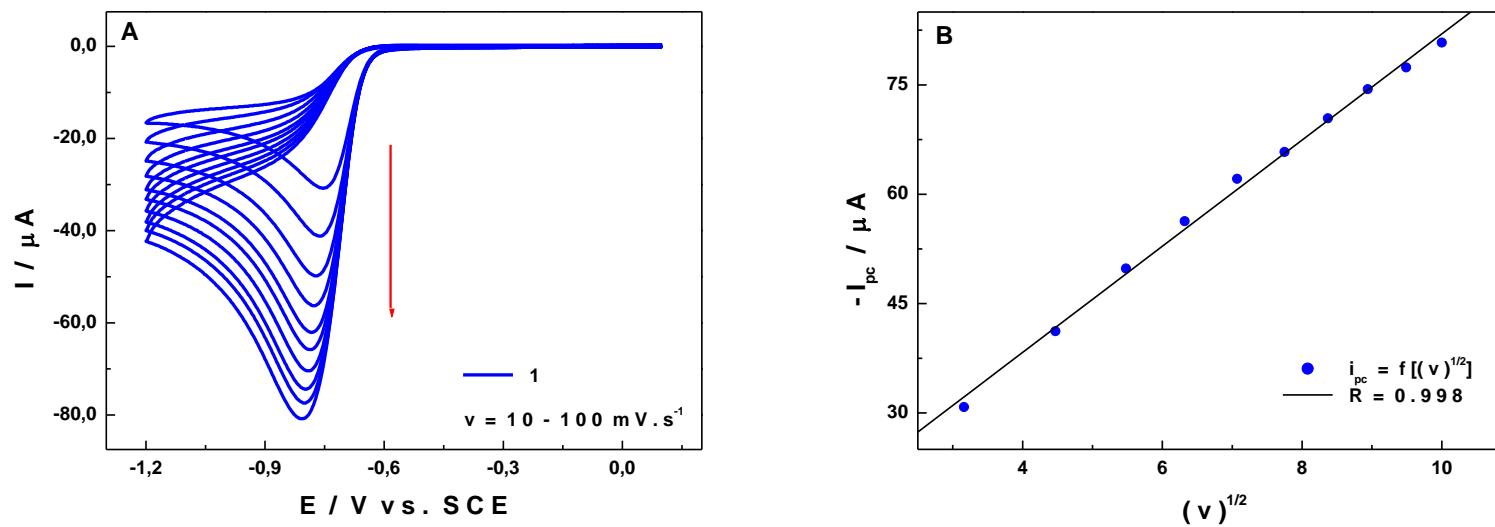


UV-vis spectra of the anions **K-2** (a) and **K-3** (b) at variable concentrations ranging from 2.10^{-3} to 2.10^{-4} $\text{mol} \cdot \text{L}^{-1}$

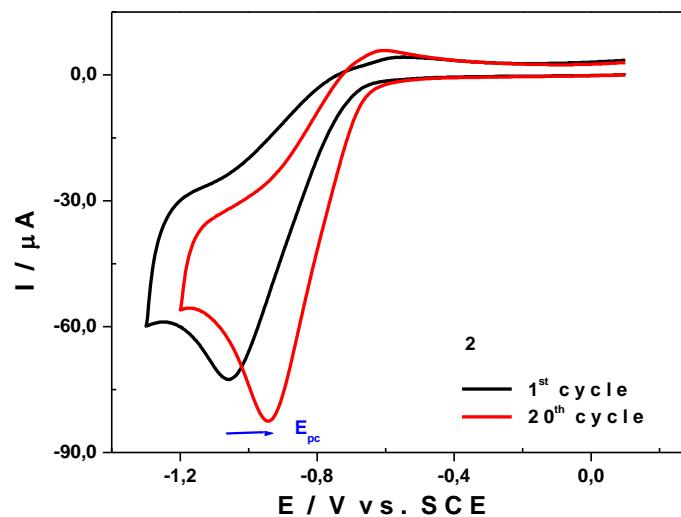


Cyclic voltammogram of $[\text{AsW}_9\text{O}_{33}]^{9-}$ in $0.2 \text{ mol} \cdot \text{L}^{-1} \text{Na}_2\text{SO}_4$ pH = 3. Scan rate of $10 \text{ mV} \cdot \text{s}^{-1}$; working electrode glassy carbon. Potentials are quoted against SCE reference electrode. Compound concentration 0.8 mM.

Figure S2



(A) Cyclic voltammograms of **1** in 0.2 mol.L⁻¹ Na₂SO₄ pH 3 at increasing scan rate from 10 to 100 mV.s⁻¹; working electrode glassy carbon. Potentials are quoted against SCE reference electrode.



CVs of **2** recorded in $0.2 \text{ mol.L}^{-1} \text{ Na}_2\text{SO}_4$ pH = 3, 1st cycle (black line) 20th cycle (red line). Initial potential, +0.1 V; initial scanning direction, negative potentials; scan rate of 100 mV.s^{-1} ; working electrode glassy carbon. Potentials are quoted against SCE reference electrode.

Figure S4