Room-temperature silver-containing liquid metal salts with nitrate anions - Electronic supporting information

Figure 1: SEM micrographs of silver deposits from [Ag(EtIm)2][NO₃] (a-b), [Ag(MeIm)(EtIm)][NO₃] (c-d) and [Ag(BuIm)₂][NO₃] (e) on a Au working electrode at 90 °C obtained at -1 A dm⁻² (a-c-e) and -5 A dm⁻² (b-d). The theoretical thickness is 1 µm. A typical EDX spectrum is shown in (f).
Figure 2: AFM images of silver deposits from \([\text{Ag(EtIm)}_2]\)[NO₃] (a-b), \([\text{Ag(MeIm)(EtIm)}][\text{NO}_3]\) (c-d) and \([\text{Ag(BuIm)}_2]\)[NO₃] (e) on a Au working electrode at 90 °C obtained at -1 A dm⁻² (a-c-e) and -5 A dm⁻² (b-d). (f): roughness profiles.