Electronic Supplementary Material (ESI) for Physical Chemistry Chemical Physics

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

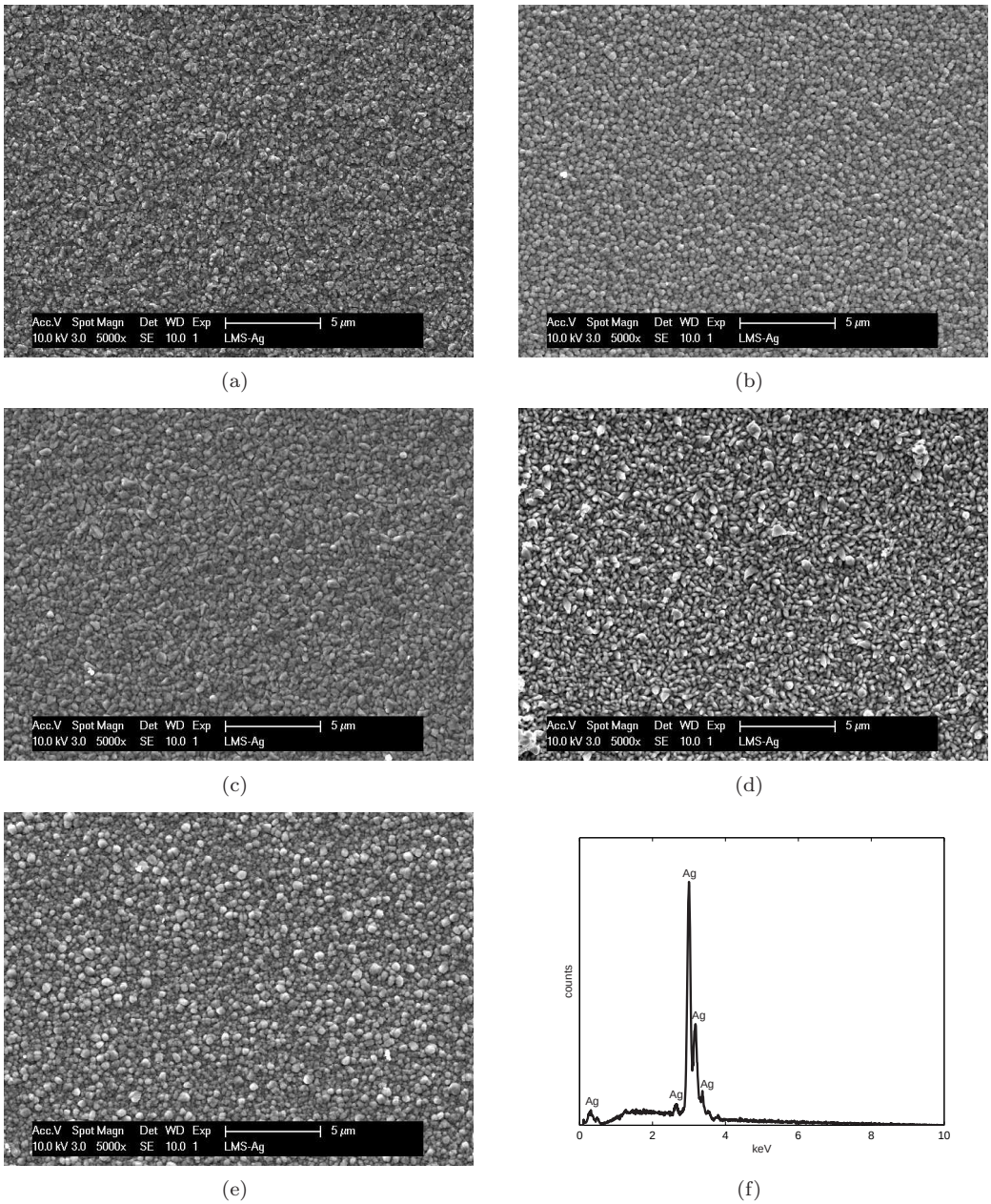

Figure 1: SEM micrographs of silver deposits from $[Ag(EtIm)_2][NO_3]$ (a-b), $[Ag(MeIm)(EtIm)][NO_3]$ (c-d) and $[Ag(BuIm)_2][NO_3]$ (e) on a Au working electrode at 90 °C obtained at -1 A dm^{-2} (a-c-e) and -5 A dm^{-2} (b-d). The theoretical thickness is 1 μm. A typical EDX spectrum is shown in (f).

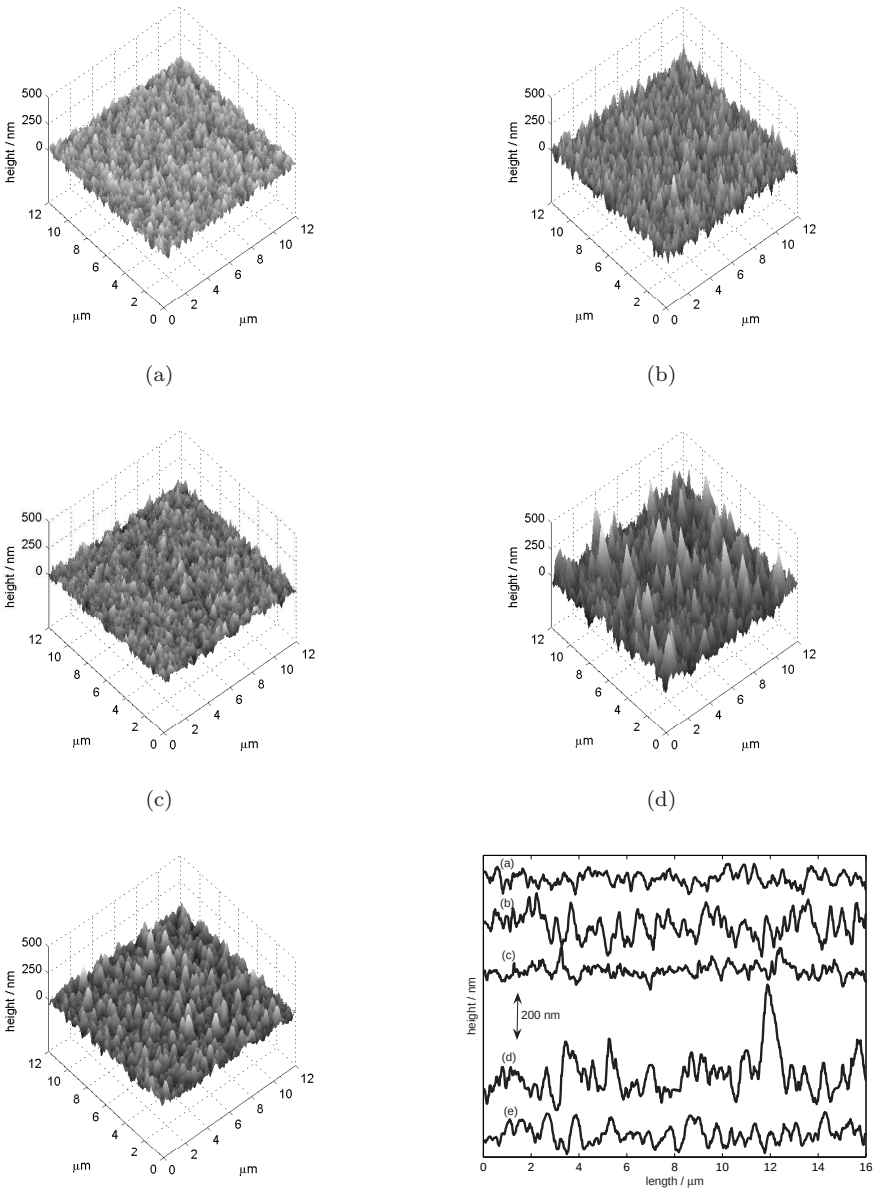

Figure 2: AFM images of silver deposits from $[Ag(EtIm)_2][NO_3]$ (a-b), $[Ag(MeIm)(EtIm)][NO_3]$ (c-d) and $[Ag(BuIm)_2][NO_3]$ (e) on a Au working electrode at 90 °C obtained at -1 A dm^{-2} (a-c-e) and -5 A dm^{-2} (b-d). (f): roughness profiles.