

Figure 1. Saturation of DEPA*, N₂* and TMA steps during PE-ALD of N-doped Al-phosphate.

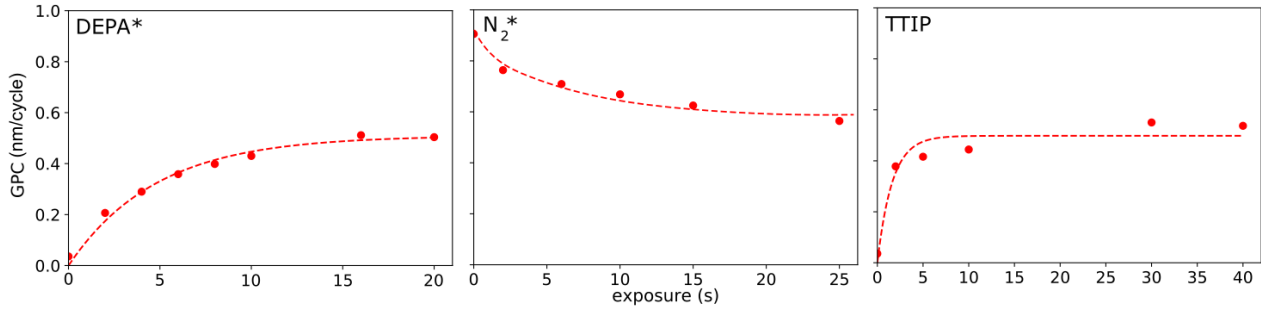


Figure 2. Saturation of DEPA*, N₂* and TTIP steps during PE-ALD of N-doped Ti-phosphate.

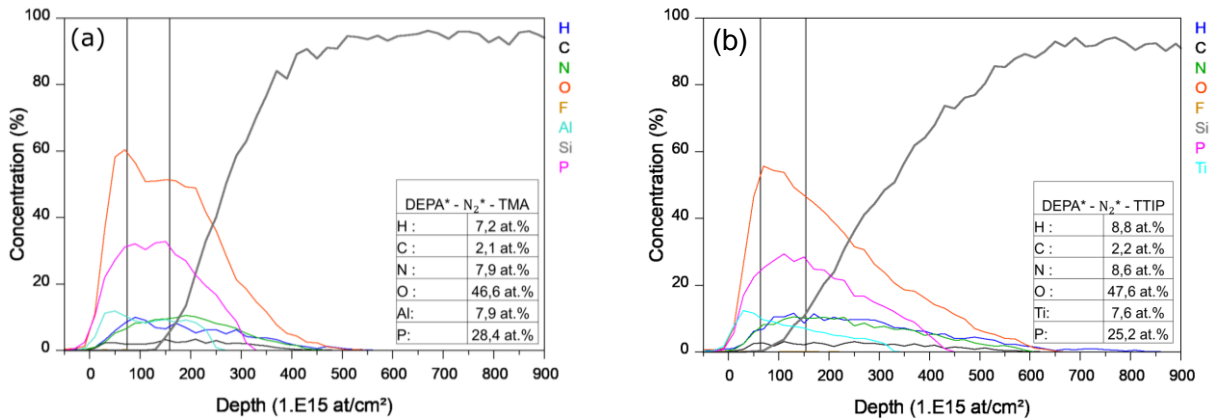


Figure 3. Atomic concentrations of (a) N-doped Al-phosphate and (b) N-doped Ti-phosphate.

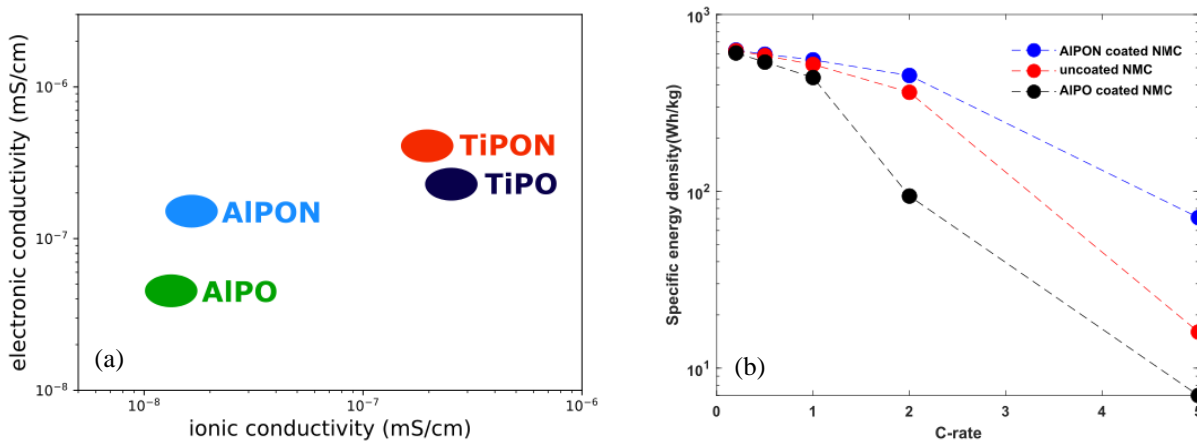


Figure 4. (a) Effect of nitrogen doping on ionic and electronic conductivity of a thin film coating and (b) the effect an (N-doped) Al-phosphate coating on the kinetics of NMC. AIPON and TiPON refer to N-doped Al- and Ti-phosphate, while AIPO and TiPO refer to undoped Al- and Ti-phosphate. A C-rate of 1 means that a current is applied to (dis)charge the electrode's theoretical capacity in 1 hour. A C-rate of 10, indicates (dis)charging in 1/10 of an hour.