On texture formation of chromium electrodeposits

The microstructure, texture and hardness of electrodeposited hard, direct current (DC) chromium and pulsed reversed chromium has been investigated. These investigations suggest that the growth and texture of hard chromium is controlled by inhibition processes and reactions. Further, it has been established that codeposition of Cr₂O₃ nanoparticles is a general feature of DC chromium electrodeposition.