



Representative SEM cross sections of thin films of In_2S_3 (~ 150 nm) deposited from baths containing InCl_3 (0.0083 mol dm^{-3}), formic acid (0.1 mol dm^{-3}) and thioacetamide (0.1 mol dm^{-3}) on tin oxide coated (TO)-glass (top left and right) and (In,Zn)S thin films grown from modified baths containing zinc formate (0.83 mmol dm^{-3}) on glass (bottom left, 70°C for 1 h and right, 50°C for 18 h). For the former, it is difficult to accurately determine the film thickness values for specular films grown at optimum pH 2 (upper left) in contrast to matt films grown outwith the optimum pH (upper right), however QCM measurements confirm data.