

Effect of Manganese Distribution on Sensor Properties of SnO₂/MnO_x Nanocomposites

Rodion Eshmakov ¹, Darya Filatova ¹, Elizaveta Konstantinova ², and Marina Rumyantseva ¹

¹ Chemistry Department, Moscow State University, 119991 Moscow, Russia

² Physics Department, Moscow State University, 119991 Moscow, Russia

Supplementary Information

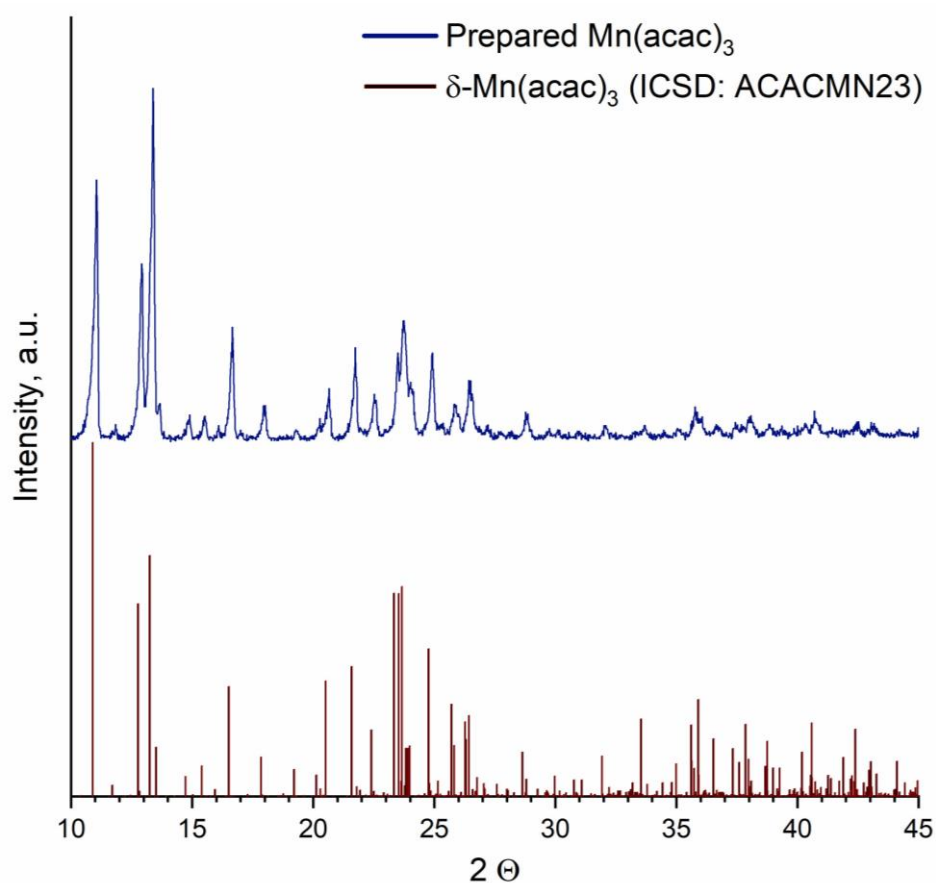
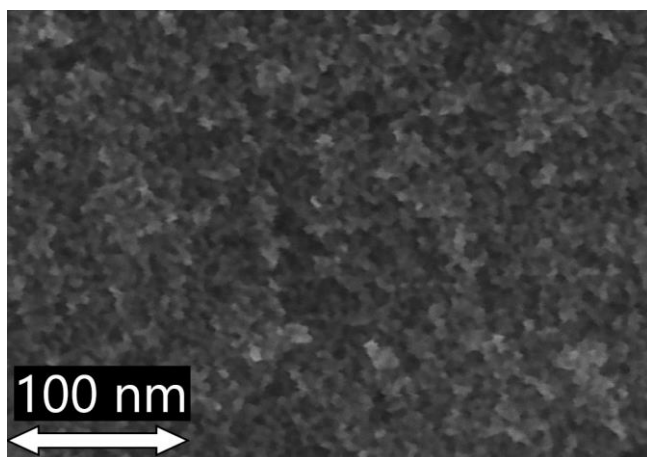
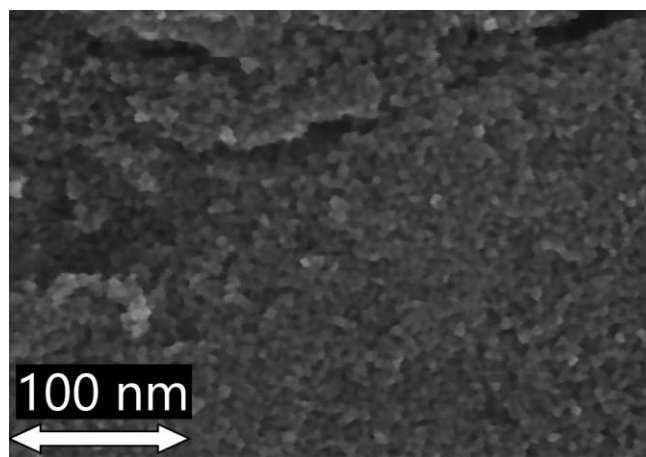


Figure S1. Powder X-ray diffraction pattern of synthesized Mn(acac)₃ in comparison with calculated pattern of δ-Mn(acac)₃.



(a)



(b)

Figure S2. SEM images obtained with Zeiss Supra 40 FE-SEM microscope at $\times 750 \cdot 10^3$ of the following samples: (a) SnO₂_Mn10; (b) SnO₂_Mn1_w.

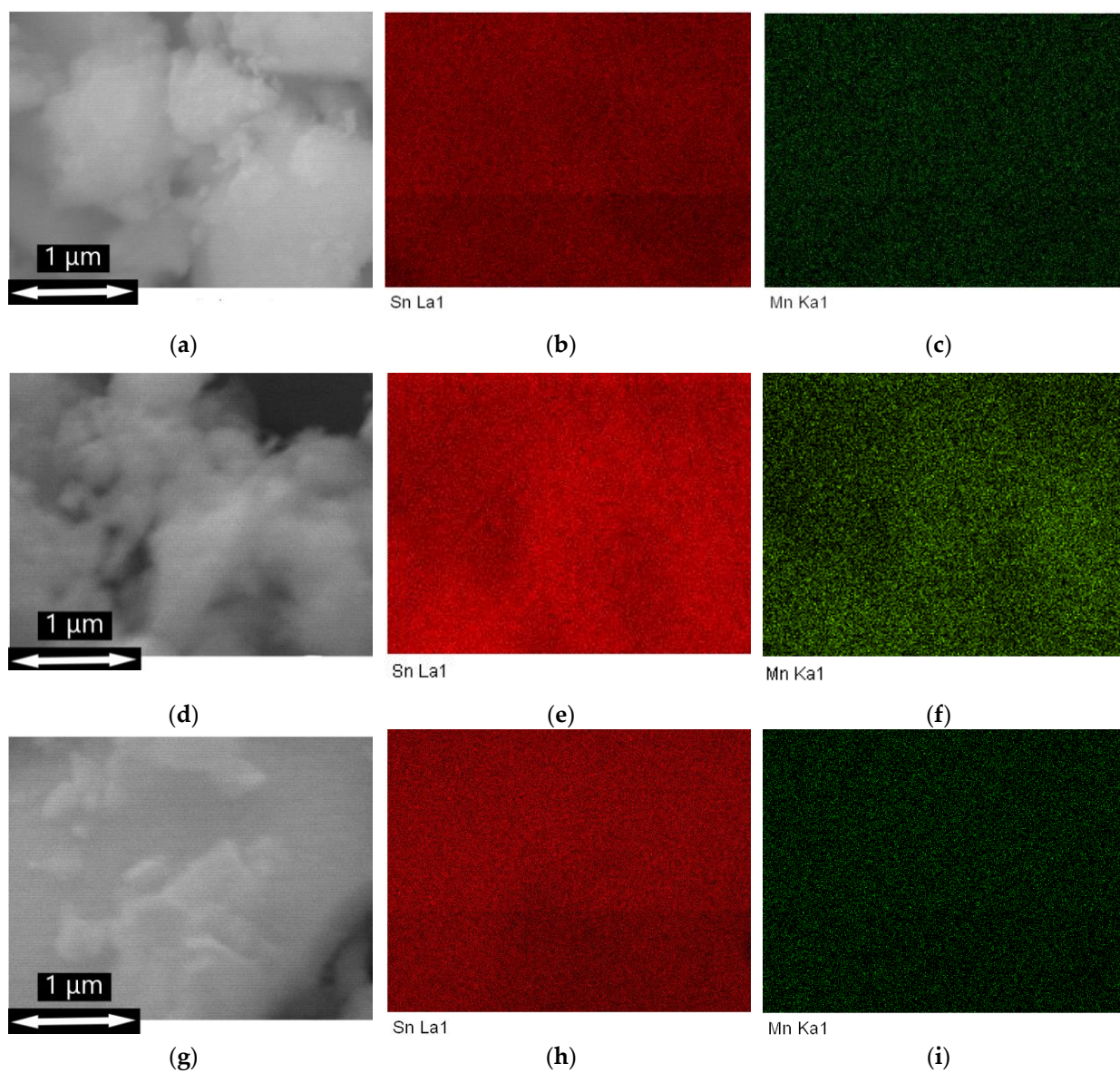


Figure S3. SEM images, Sn and Mn EDX maps of SnO₂_Mn1 (a-c), SnO₂_Mn10 (d-f), SnO₂_Mn10_w (g-i), respectively, at $\times 10^5$ magnification.