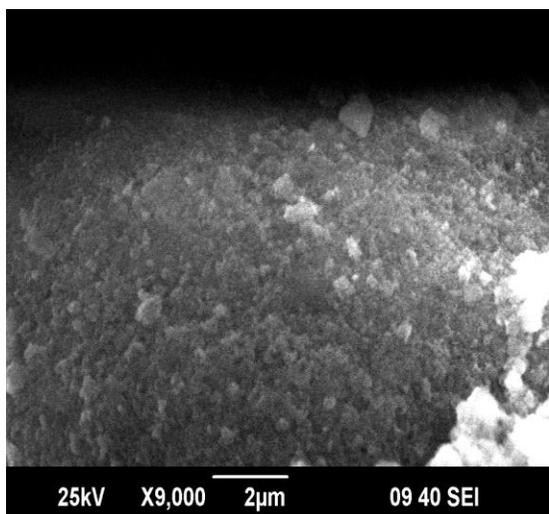


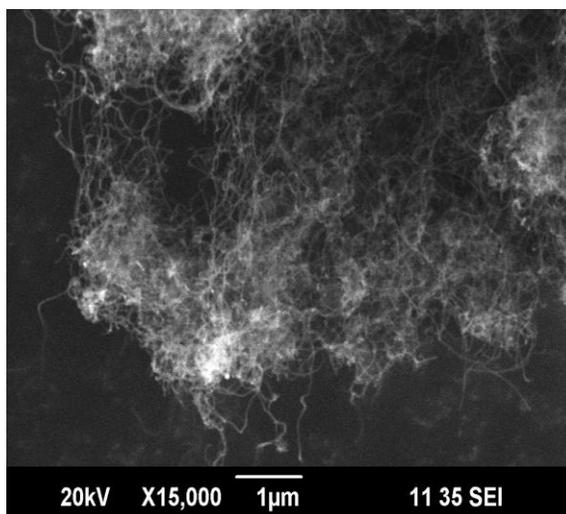
Catalytic approach to the estimation of the influence of carbon nanomaterial structures on surface functional groups

Evgeniya A. Tveritinova, Yurii N. Zhitnev, Anton S. Ivanov, Serguei V. Savilov and Valery V. Lunin

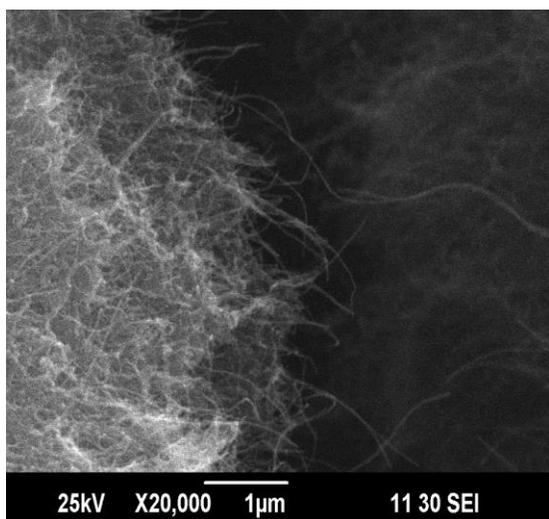
SEM microphotographs



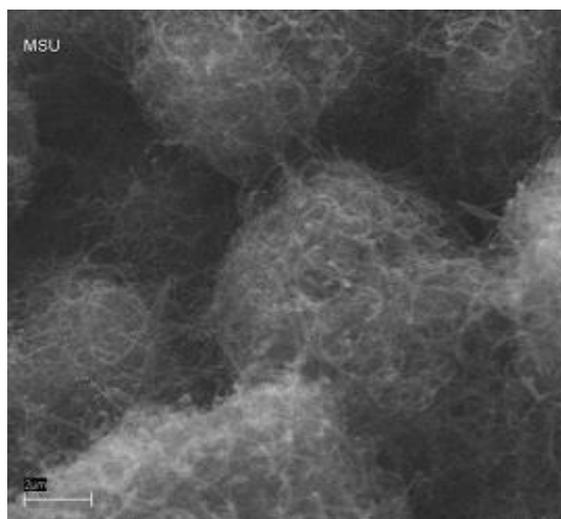
Nanodiamond (7.4%O₂)



CNT (0.64%O₂)

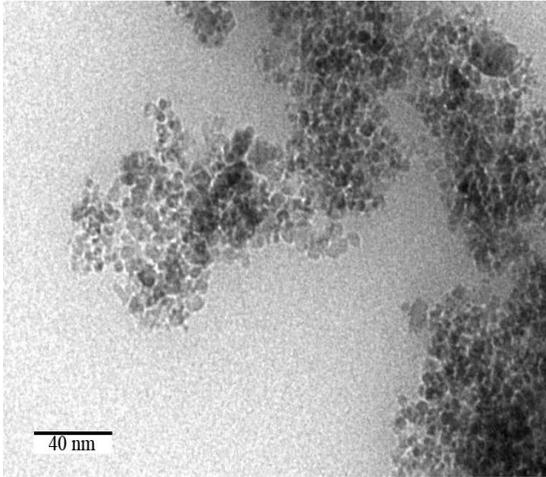


CNT (9.35%O₂)

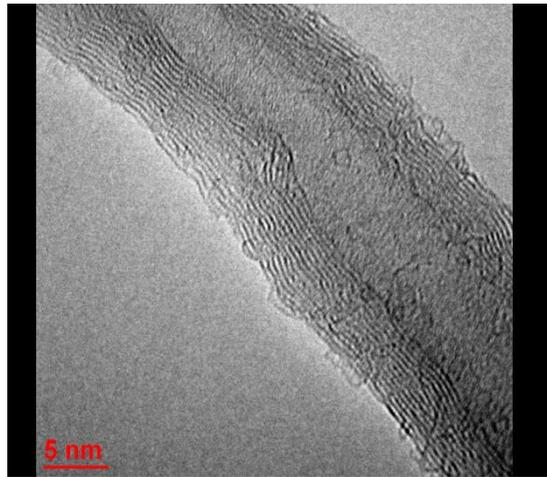


CNTcon.(9.41%O₂)

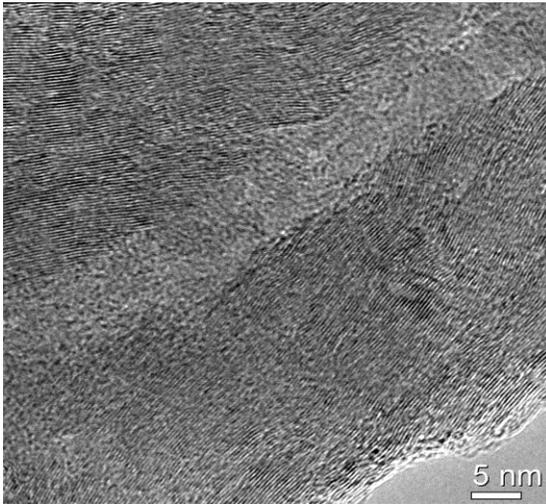
TEM microphotographs



Nanodiamond



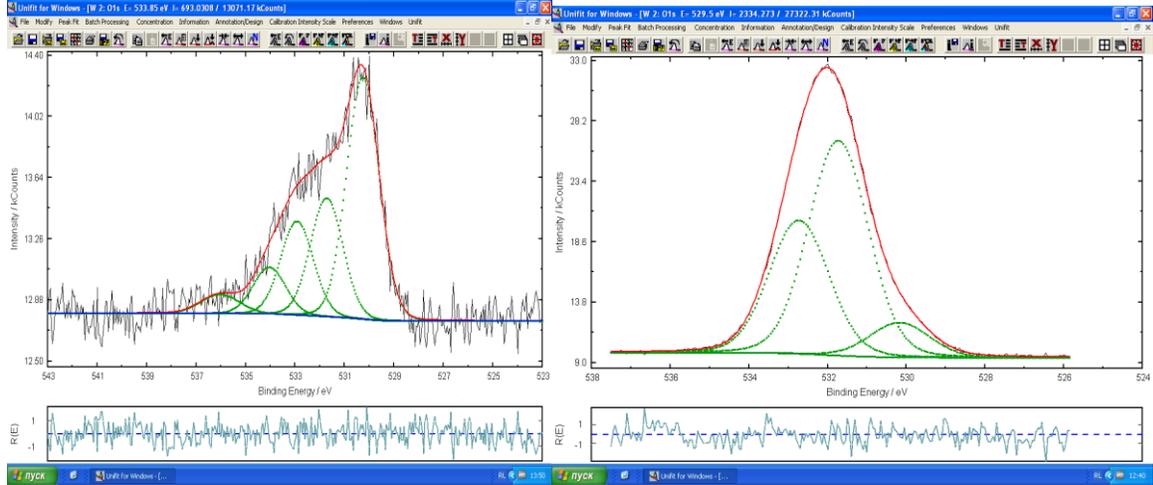
CNTcyl.



CNTcon.

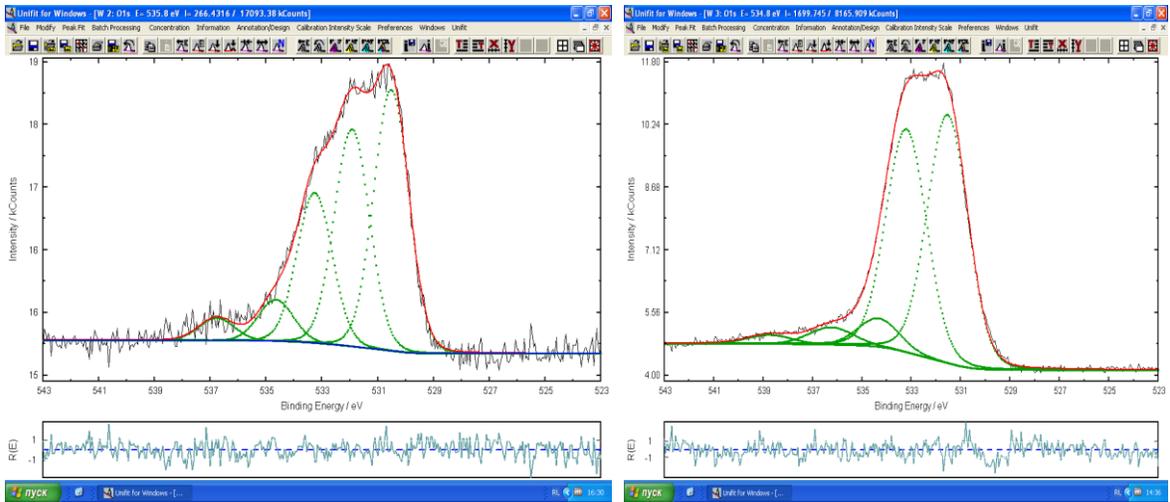
XPS-spectra of CNM

O1s spectra



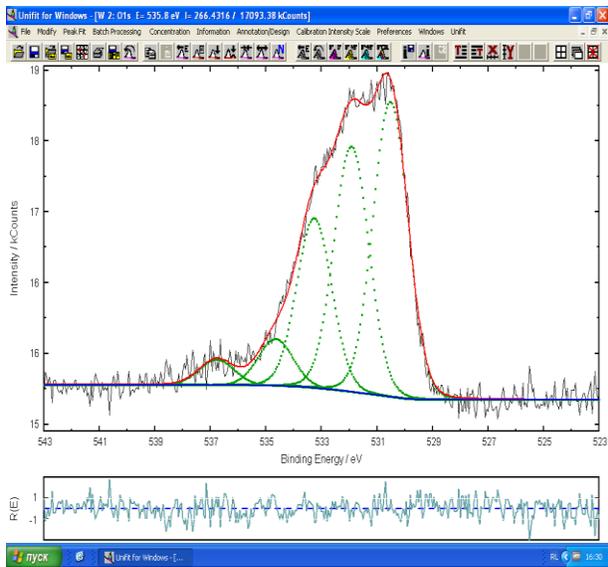
Nanodiamond (7.4%O₂)

CNTcyl (0.64%O₂)



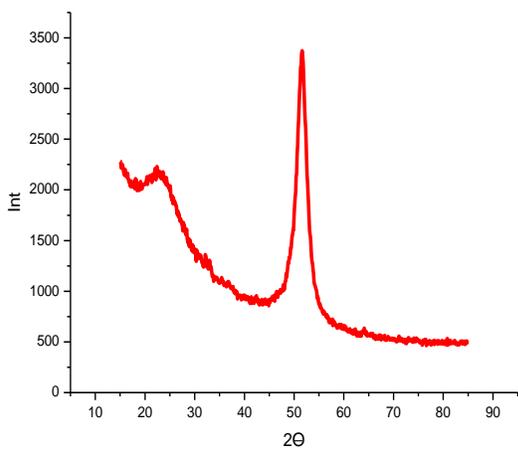
CNTcyl. (1.4%O₂)

CNTcyl. (9.35%O₂)

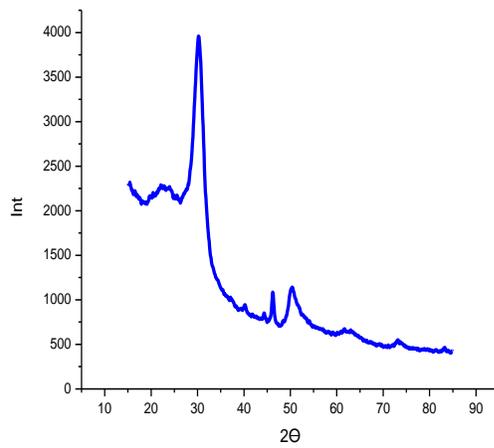


CNTcon.

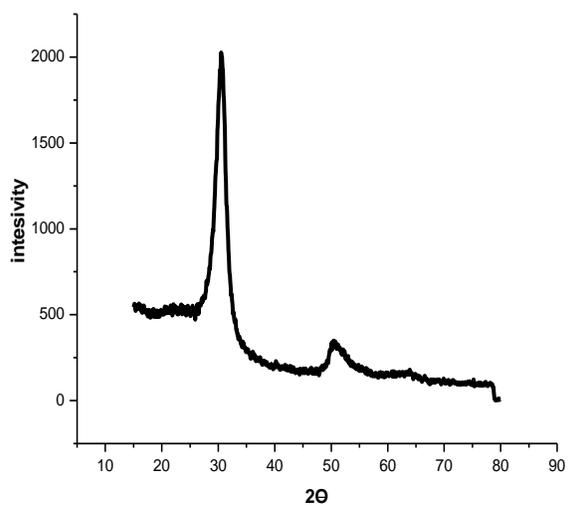
XRD-spectra of CNM



Nanodiamond



CNTcyl.



CNTcon.