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(54) Title: CORE-SHELL NANOPARTICLES AND METHODS OF FABRICATION THEREOF

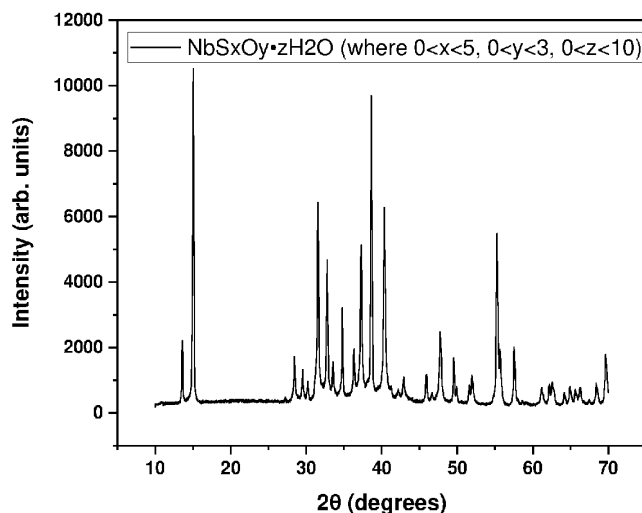


Figure 1

(57) Abstract: The present disclosure concerns core-shell nanoparticles, each comprising a core comprising Nb and NbS₂; preferably NbS₂ and a shell of Formula NbS_xO_y·zH₂O, wherein x is a number from 0 to 5; y is a number from 0 to 3; and z is a number from 0 to 10. The present disclosure also concerns a method of synthesising core-shell nanoparticles.

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