



Synthesis of sulfide Nano composites using Na-4 mica template

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ABSTRACT

Various Nano composites were synthesized using mica crystallites medium. In some cases by oxidation or sulfidation treatment a core shell nanostructure could be generated. Nickel sulfide core shell Nano rod exhibited a number of optical absorption peaks which arose because of their structural characteristics. Nickel sulfide nano wire of diameter, 20 nm, were grown within nano channels of Na-4 mica.

Keywords: Sol-gel process, Nano composites, Electrical Properties, Al₂O₃.
