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Introduction

Since the calcium phosphate nanoparticles utilization in biological, therapeutic and bio-medicinal fields such as treatment of cancers, caries inhibition, researchers decrease their researches by using other metals for the modification of phosphate materials. In this study, we prepared Nickel phosphate material and Nickel iron phosphate using hydrothermal rout, during preparation several conditions were used modifying the urea amount, acid volum. So, different structures were achieved. The material was characterized by SEM, EDX, UV-Vis and XRD



Characterization



Fig. 1. SEM AND EDX analysis of NiP catalyst Fig. 2. UV-Vis analysis of NiP catalyst



Fig. 4. SEM AND EDX analysis of modified NiP catalyst Fig. 3. XRD patterns of NiP catalyst