

عنوان مقاله:

Synthesis and characterization a new lead(II) Coordination polymer with N-donor ligand

محل انتشار:

دومین همایش ملی تحقیقات نوین در مهندسی شیمی (سال: 1389)

تعداد صفحات اصل مقاله: 6

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خلاصه مقاله:

A new 3D PbII coordination polymer with 2,3-pyridindicarboxylic acid ligand and $H_2O, [Pb(L)(H_2O)_2]_n$, has been synthesized using a branched tube method and characterized by CHN elemental analysis, IR spectroscopy and studied its thermal behavior as well as X-ray crystallography. The single-crystal X-ray data shows one types of Pb^{2+} ions with coordination numbers of seven, $Pb(1)$ with holodirected geometries, respectively. The thermal stability of .compound was studied by thermal gravimetric analysis(TGA) and differential thermal analysis(DTA) too

کلمات کلیدی:

lead(II) , 2,3-pyridindicarboxylicacid, Holodirected, Coordination polymers

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