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Article Review Report



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SYNTHESIS AND CHARACTERIZATION OF COBALT HYDROXIDE NANOPARTICLES		





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ABSTRACT:

Cobalt hydroxide nanoparticles were synthesized via chemical co-precipitation method from cobalt chloride and sodium hydroxide. Structural and compositional properties were characterized by XRD, SEM, FTIR and UV spectroscopy. X-ray diffraction (XRD) confirmed the preferential growth of cobalt hydroxide nanoparticles that width is 73.42nm.

Abstract Report: The Title Accurately Said The Study was About.

INTRODUCTION:

Research on layered transition-metal hydroxide materials such as nickel hydroxide and cobalt hydroxide has received considerable attention in recent years due to these materials potential applications as catalysts, supports, anion adsorbants, magnetic materials and ion exchangers as well as high-performance electrode materials of alkaline secondary batteries and supercapacitors1-7.

Introduction Report: This Article Include Full Introduction, Methods, Results & Introduction Section.

METHODS & MATERIALS:

Must add methods and materials in your article.

Methods & Materials Report: Methods & Materials used to per research topic.

RESULT:

The XRD patterns of the prepared samples of cobalt hydroxide nanoparticles are shown in figure.1. XRD studies reveal that the samples are nano sized and crystalline. The fine particle nature of the samples is reflected in the X-ray line broadening.

Result Report: Figures are Imported to Provide Explanation for Background Information. Conclusion of This Paper Clearly Supported Results.

CONCLUSION:

The cobalt hydroxide nanoparticles have been prepared by chemical co-precipitation method. XRD analysis suggests that the average particle size is in the nano range (73.42nm). The SEM picture reveals the well crystallized particles with rod-like morphology. From the FTIR spectrum, the stretching and bending frequencies of the molecular functional groups in the sample are studied. From the UV spectra, the band gap was found.

Conclusion Report: The Text is Rounded off with a Conclusion that Discusses the Implication of The Findings & Ideas Discussed & Their Impact on Future Research Direction.

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Reference Report: There are Places where the Author R Hepzi Pramila Devamani , A. Abirami and R. Isai Need to Cite a Reference, but Have Not

RECOMMENDATIONS:

Abstract Report: Introduce New Regular For Content & Communication.

SUMMARY OF ARTICLE:

	Very	High	Average	Low	Very Low
1. Interest of the topic to the readers	✓				
2. Originally & Novelty of the ideas	✓				
3. Importance of the proposed ideas		✓			
4. Timelines		✓			
5. Sufficient information to support the assertions made & conclusion drawn					
6. Quality of writing(Organization, Clarity, Accuracy Grammer)	✓				
7. References & Citation(Up-to-date, Appropriate Sufficient)			✓		

This Article is Innovative & Original, No Plagiarism Detected

Future Research Suggestions

This Article can expand further research for MINOR/MAJOR Research Project at UGC



Future Research Planning :

- 1. Career For Faculty (<http://academicprofile.org/Professor/CareerForFaculty.aspx>)
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