

## Experimental Information Extraction from Nanocrystal Device Development Research Papers.



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Nanocrystal device development process is not well systematized. Researchers usually need to go through a trial-and-error process to achieve the desired product. To support this process, analysis of the information produced by developmental experiments is required. We discuss the construction of an annotated corpus of experimental information from relevant publications. Using this corpus, we discuss the design of an automatic information extraction system using machine learning and natural language processing techniques. This framework can be utilized as a mean of knowledge engineering in this domain to use the massive availability and the freshness of information in research papers.

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