

Poster Session (P)  
Poster Lunch (1)

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## A BIBLIOMETRIC ANALYSIS OF INTERNATIONAL SCIENTIFIC COOPERATION IN THE FIELD OF SPACE EXPLORATION FROM 2000 TO 2016

### **Abstract**

Co-citation analysis has been a powerful method in exploring intellectual structure of knowledge domains. Many existing studies used co-citation analysis to map scientific literature in different research areas. Bibliographic citations in scientific literature can also show the transferring of knowledge. Authors would cite the papers or reports that are important and related to their own research. Scientific articles that are frequently cited together by other papers may have close relationship. Authors whose papers are co-cited frequently are also related. A number of 1841 documents published between 2000 and 2016 were downloaded via Web of Science with the keyword “space exploration” was used for topic search. Through citations, documents or authors can be connected, constructing a network showing the whole picture of a discipline. Scientific cooperation of the developed regions with other developing countries, with the field of space exploration is analyzed as it is reflected in the bibliometric indicators of internationally co-authored publications. In this work, we use CiteSpace and VOSviewer to conduct co-citation analysis in the field of space exploration. Through document co-citation analysis and author co-citation analysis, we identify important articles, authors, as well as explore how cooperation or collaboration evolves over time.