



Fig. 6 VOS Viewer Top Ten Journals Mechatronics Publications Network Mapping

VI. CONCLUSION

The present study aims to bring out the contributions, funding and un-funding publications in the field of Mechatronics in global scenario. The study focuses on country-wise distribution, funding and un-funding in the field of Mechatronics paper publications, type of documents, top funding agencies and top funding journals. Compared to other subjects of science and technology the field of Mechatronics has seen considerably less number of papers being published. Out of 3,359 papers with 46,034 citations only 1,446 (43.05%) paper with 17,972 (39.04%) citations received funding and remaining 1,913 (56.95%) papers with 28,062 (60.96%) citations received un-funding. USA stands in the top position with published papers 413 (12.27%) having 7,157 (15.55%) citations and India stands twenty-fifth ranked with total papers published 53 (1.58%) having 693 (1.51%) citations. In Document type of publications maximum number of papers were published in the Article form with a total of 2,800 papers having 37,799 citations of which funding papers were 1,349 (48.18%) with 16874 (44.64) and un-funding papers were 1,451 (51.82%) with 20,925(55.36%) citations. An important aspect to be observed is that the highest funding received is from National Natural Science Foundation of China that has funded for 286 papers which received 3,585 citations having 29 h-index. The concluding factor out of this research is that more number of scientists and researchers need to actively investigate and research on more of the Mechatronics concepts in order to increase the technical advancement and growth in the said field.

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