

Research Performance of Cloud Computing in BRICS Countries

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Research performance of BRICS countries has been studied using publications indexed in the Web of Science (WoS) database core collection. “Cloud computing” as a search term in the address tag fetched 2537 records and the period of coverage from 1989 to 2016. The downloaded data were analyzed using MS Excel, VOS Viewer, and HistCite software applications. The analysis revealed that there are 6767 authors from among 5 countries; 623 journals; 9 types of documents; 2130 institutions; 63,005 times cited by local and global references. 93.9% of publications are scholarly articles. The highest productive year is 2015 (28.6%) (TGCS- 843) and lowest is 1991 (TGCS-25). Of the 73 countries, Peoples R China stands first, USA and India in the second and third places respectively. “International Journal of Grid and Distributed Computing”, “IEEE Transactions on Parallel and Distributed Systems”, “Concurrency and Computation-Practice & Experience” are the most productive journals involved in this study. Among the 6767 authors, “Li J” has earned the highest publication. “Chinese Academy Science” and “Tsinghua University” dominate other institutions in terms of number of records. 63,005 cited references were measured from the data and most cited authors were “Armbrust M”, “BUYYYA R”, and “Dean J”; most cited journals were “COMMUN ACM”, “FUTURE GENER COMP SY”, and “COMMUN ACM”.

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