

“Catalysis” and “India” search in Web of Science and the implications

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The purpose is to gauge the performance of Indian Scientific community in Catalysis over the period 1983 to 2007

We intend to partially analyze the performance of Indian Scientists in the Field of Catalysis. For this purpose we collected all the 2227 records which were available in the search term “catalysis” and India for the period 1983 to 2007. All these records had a total citation of 15966 with a citation per document 7.17 which showed that the Indian catalysis work has received considerable attention in the scientific community. In order to make sure that the publications are not slanted towards the earlier years and hence could have received more citations, the distribution of publication by year and as well as citations by year are drawn in a bar chart and they are shown in Fig.1. and 2.

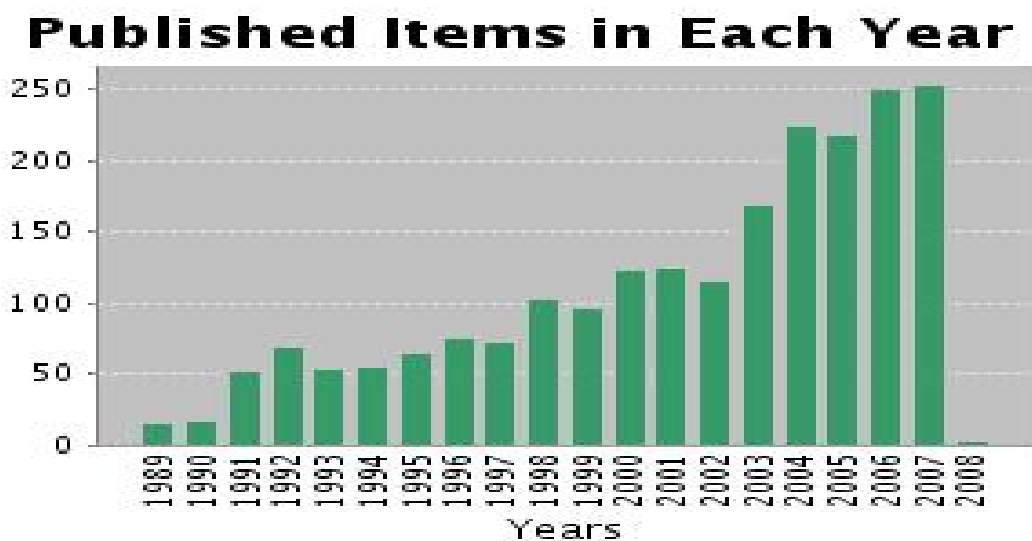


Fig.1. Distribution of documents (based on catalysis and India) for the period 1983-2007.

It is seen from these two figures that the publication activity as well as citations have been increasing steadily from 2003 on wards and this shows that Indian catalyst community are doing contemporary research in this area. However in the earlier years from 1992 to 2002 the activity or number of publications have been steady and more or less constant showing that the group that were active have been performing to the same level year after year for nearly 10 years or more.

Citations in Each Year

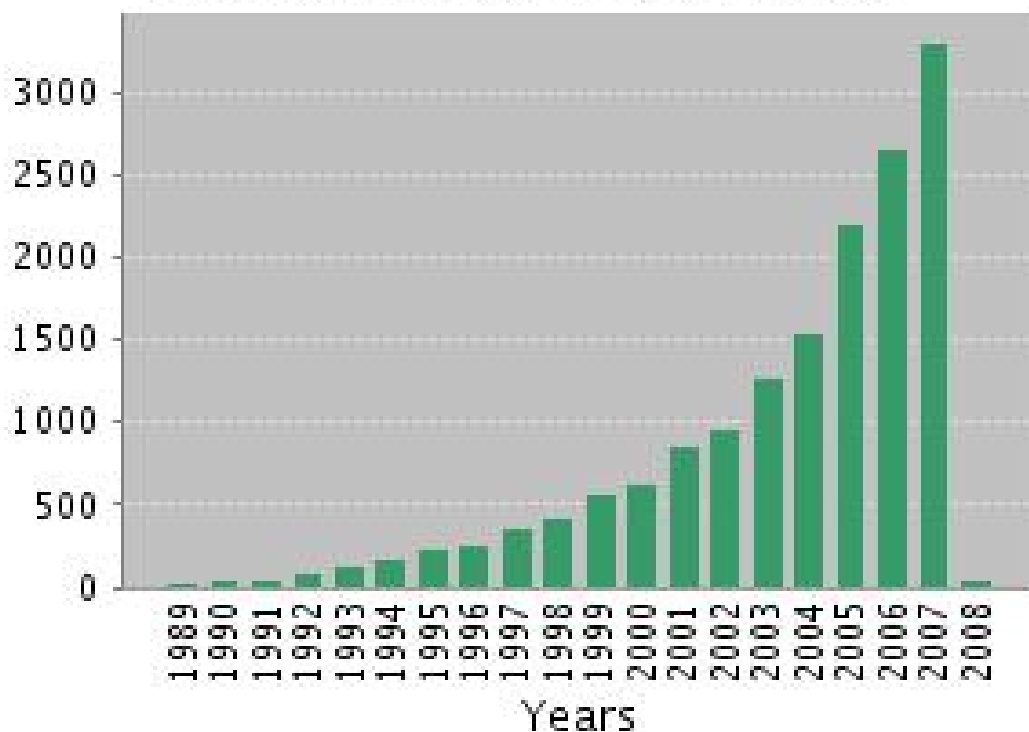


Fig.2. Distribution of citation counts on year basis for the publications (2227) for catalysis and India

Table 1: 14 selected authors and their citation data for the publications in this analysis set.
(The selection is random of the more than 100 authors in this set)

Name	Total documents	Total Citations	Citation / document	'h' index
G D Yadav	71	667	9.39	15
J S Yadav	35	367	10.49	12
ML Kantham	30	236	7.87	10
B M Choudhary	24	228	9.50	10
M M Sharma	16	312	19.50	8
RV Jasra	15	87	5.80	5
S Bhadhuri	12	53	4.42	5
C S Gopinath	11	74	6.73	5
S.Sivasanker	10	50	5.00	4
S.Suganan	10	18	1.80	3
B.Viswanathan	10	65	6.50	4
A V Ramaswamy	9	33	3.67	3
N M Gupta	8	318	39.75	4
S B Halligudi	8	74	9.25	3