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## Machine Learning: Bibilometric Analysis for Most Cited Article

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### ABSTRACT—

In this review, most cited article is obtained in Machine Learning from Dimensions data base (2014-2023). Most cited article is the article which has more citations than other articles from 2014. Results enhances from 4,356,790 publications. “Machine Learning” is the key word used to obtain the most cited article ‘Machine Learning: Algorithms, Real-World Applications and Research Directions with citations 650.

**Keywords—** Machine Learning, Dimensions Data Base, Bibilometrics

## 1. Introduction

Literature review on machine learning takes lot of time, patience and effort. Article most citation rate helps in referral speed of a researcher, there are huge publications (4,356,790) on ml. The citations on a paper reflect huge scientific impact on ml society [1-27].

Most cited article give a holistic progress on scientific research society. The purpose of this review is to do bibilometric analysis and to find out the exact article for scientific progress on machine learning.

## 2. METHODOLOGY

Bibilometric analysis for documents is obtained from ‘Dimensions’, the key word is ‘dimensions.ai’ in search Google page. Dimensions with menu bar of publication year, researcher (Indian, foreigner), research-categories, publication-type, source-title, journal’s list and open-access. [28-33].

A search word “machine learning” is given on 28<sup>th</sup> April 2023 at 5.50 am to check 4,356,790 publications. The publication year is from 2014 to 2023 with major documents by Da-Cheng Tao (1392) with a overview citations of 64.3M and citations mean 14.75 as shown in Fig.1. The leading documents in Source title is arXiv 340,104,

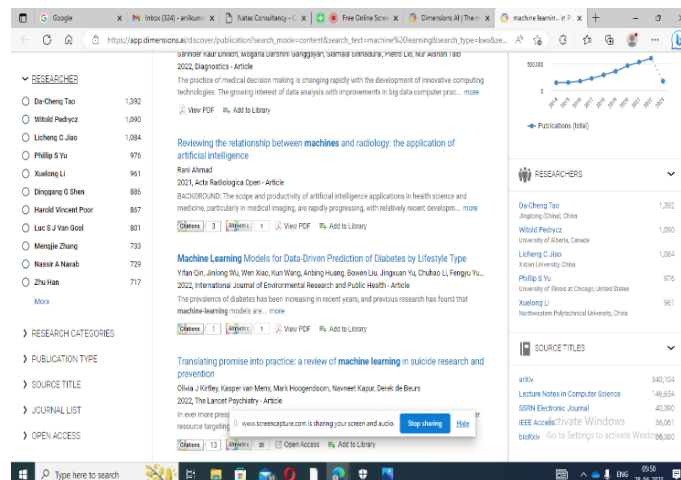


Fig. 1 Researcher document list and source title document list

### 3. RESULTS AND DISCUSSION

Of the 4,356,790 publications in Dimension from 2014 to 2023 which were exported with a copy in mail and excel data with rank, publication id, doi, pmid, pmcid, title, abstract, acknowledgement, funding, source title, anthology title, mesh term, publication date, publication year, publication date (online), publication-date (print), volume, issue, pagination, open access, publication type, authors, authors (raw affiliation), [34-43] corresponding authors, times-cited, recent citations, RCR, FCR, source link-out, dimensions-url, fields of research. Tab.3.1 shows dimensions.ai data with citations overview.

TABLE 3.1 Citations Overview

Pub. Yr.	Dimensions.ai Data Set		
	Researcher	Documents	Region
2014-2023	Da Cheng Tao	1392	Jing dong, China
2014-2023	Witold Pedrycz	1090	Albarta, Canada
2014-2023	Licheng C Jiao	1084	Xiadian, China

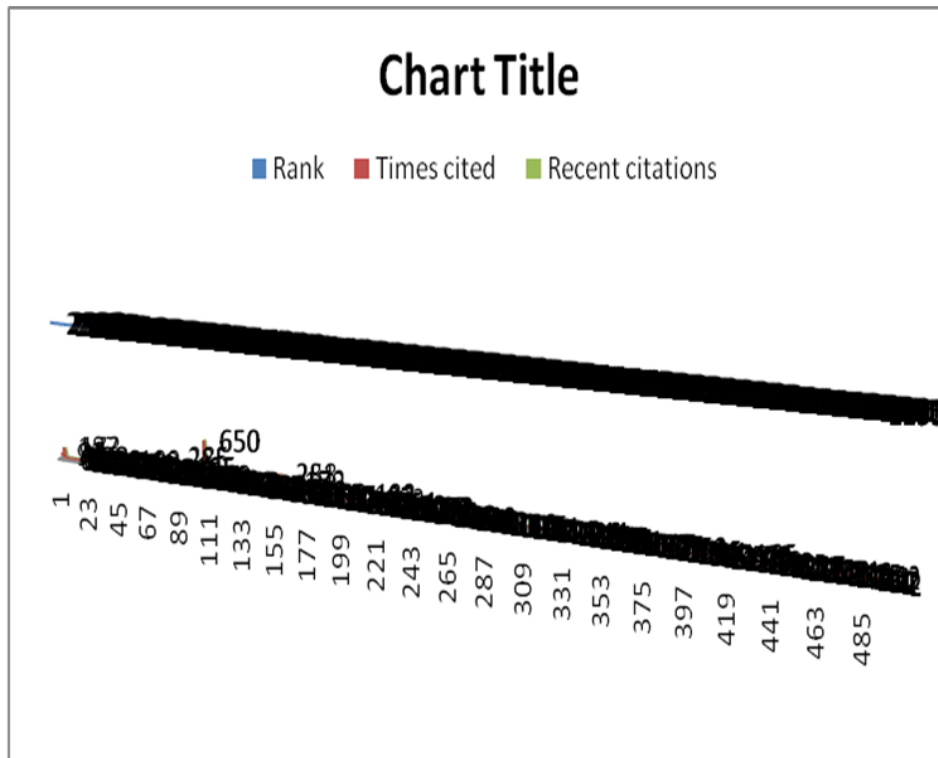


Fig.3.1 Chart to Obtain Base Paper

Fig.3.1 shows the rank, times-cited and recent citations; from the chart it is evident that 650 are the times cited where as the others are negligibly less. From the graph there are no chances of study at other points so a complete details of articles is obtained as 650 citations, rank 2304, 'pub.1136573879, RCR 25.35, FCR 474.29, with the article titled 'Machine Learning: Algorithms, Real-World Applications and Research Directions', with author as Iqbal H Sarker, SN Computer Science (2021), Springer Nature Journal, 01-21 pagination.

### Conclusions

In a total, 4,356,790 publications in Dimensions data base from a period of 2014 to 2023, [44-45] 650 is the recent citations of the article 'Machine Learning: Algorithms, Real-World Applications and Research Directions' which is a top class article which pave the way to machine learning research from Dimensions [46-48].

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