Discovering the global landscape
of mobile learning and higher education
: a bibliometric review

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Abstract

Background

Mobile learning-important,advantage
Issue/challenge

Objective
Discovering the global landscape
of mobile learning and higher education
: a bibliometric review

Methodology
Follow the diagrm

Findings
RQ1. What is the current trend and impact of publication in X?
RQ2. Which are the most productive and influential countries, institutions and authors on X?
RQ3. Which are the most prevalent themes of X between scholars?
RQ4. Which are the most influential articles on X?

Conclusion/Significant of Study
SDG-Scopus

Introduction

Setting
Your Universe
Higher education. Model S.I

Your Galaxy
E learning S. E

Your Stars
M-learning S.I.A

Literature review (General)
IWGA

Literature review on Bibliometrics (Why Bibliometric)

Research Motivation/ research Gap

Research Question/Research objective
RQ1. What is the current trend and impact of publication in X?
RQ2. Which are the most productive and influential countries, institutions and authors
on X?
RQ3. Which are the most prevalent themes of X between scholars?
RQ4. Which are the most influential articles on X?

Research Method

Topic

Scope & Coverage

Keywords & Search String

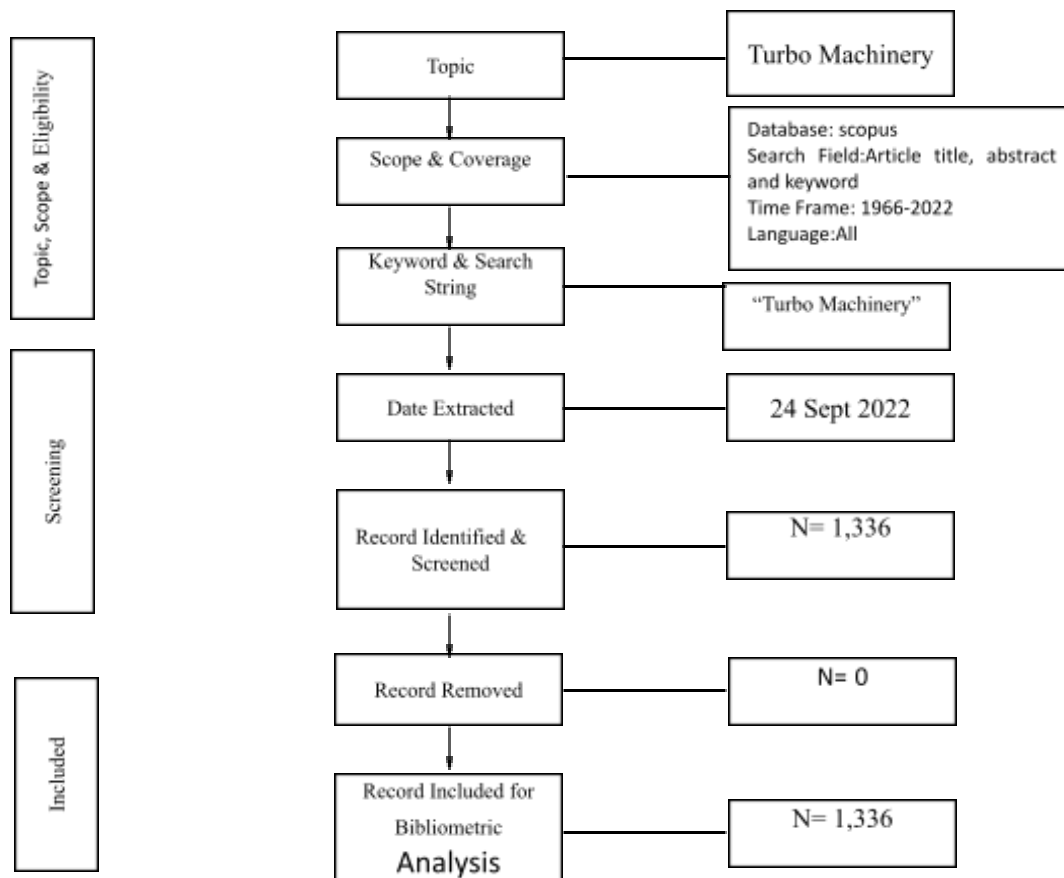Date Extracted

Record identify

Record removed

Last record in bibliometric

Software used

Results and Findings

Annual growth of publication

Export File From Scopus and insert into POP

Table 1: *Growth of publication by year*

Year	TP	(%)	NCP	TC	C/P	C/CP	h	g
2022								

Notes: TP = total number of publications; NCP = number of cited publications; TC = total citations; C/P = average citations per publication; C/CP = average citations per cited publication; h = h-index; g = g-index
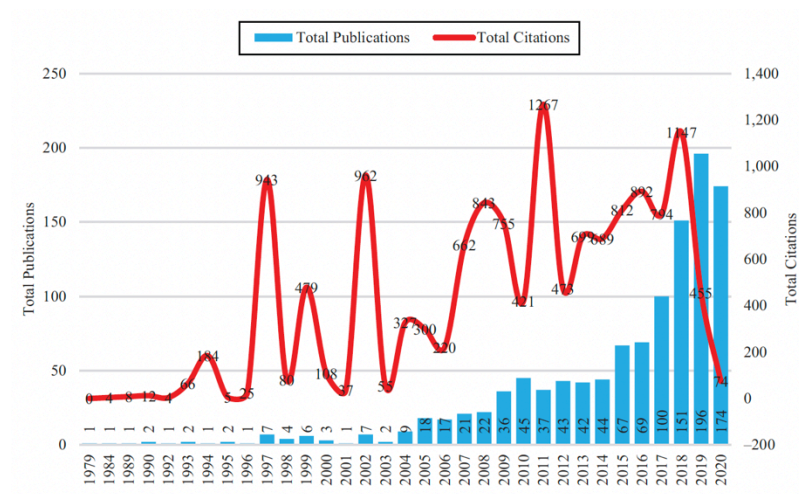

Figure 2: *Total publications and citations by year*

Document and source type

Table 2 : Types of Document

Types Of Document	Total Publications	(%)
Conference Paper	767	10.34%
Article	529	7.13%
Conference Review	13	0.18%
Book Chapter	10	0.13%
Review	10	0.13%
Book	4	0.05%
Abstract Report	1	0.01%
Editorial	1	0.01%
Short Survey	1	0.01%

Table 3 Sources Type

Sources Type	Total Publication	(%)
Conference Proceeding	690	9.31%
Journal	567	7.65%
Book Series	43	0.58%

Book	26	0.35%
Trade Journal	10	0.13%

Languages of documents

Table 4 : Languages used for Publications

Language	Total Publications	(%)
English	1212	90.38%
Chinese	44	3.28%
Japanese	25	1.86%
German	9	0.67%
French	6	0.45%
Korean	3	0.22%
Russian	3	0.22%
Italian	1	0.07%
Polish	1	0.07%
Slovenian	1	0.07%
Spanish	1	0.07%
Undefined	35	2.61%

Subject area
Table 5: Subject Area

Subject area	Total Publications	(%)
Agricultural and Biological Sciences	5	0.07%
Arts and Humanities	2	0.03%
Biochemistry, Genetics and Molecular Biology	7	0.09%
Business, Management and Accounting	7	0.09%
Chemical Engineering	56	0.76%
Chemistry	18	0.24%
Computer Science	122	1.65%
Decision Sciences	4	0.05%
Earth and Planetary Sciences	56	0.76%
Economics, Econometrics and Finance	1	0.01%
Energy	214	2.89%
Engineering	1127	15.20%
Environmental Science	62	0.84%
Health Professions	2	0.03%
Materials Science	159	2.14%
Mathematics	104	1.40%
Medicine	6	0.08%
Multidisciplinary	4	0.05%
Neuroscience	1	0.01%
Pharmacology, Toxicology and Pharmaceutics	1	0.01%
Physics and Astronomy	223	3.01%

Publications by countries
Table 6: Total Publication By Country Top 10

Country	TP	NCP	TC	C/P	C/CP	h	g

Authorship analysis
Table 7 Authorship Analysis

Author,s name	Affilation	Country	TP	NCP	TC	C/P	C/CP	h	g

Figure 3 Network visualisation map of the co-authorship based on authors that have a minimum of five number of citations (fractional counting)

Figure 4 Network visualisation map of the co-authorship based on countries that have a minimum of five number of citations and three number of documents (fractional counting)

Most active institutions
Table 9 *Most active institutions*

Institutional	*Country*	*TP*	*NCP*	*TC*	*C/P*	*C/CP*	*h*	*g*

Keywords analysis
Figure 5 Network visualisation map of the author keywords

Table 10: Top 20 keywords

Author Keyword	Frequency	(%)
Machinery	353	4.76%
Machine Design	333	4.49%
Turbomachinery	332	4.48%
Turbo-machinery Design	241	3.25%
Computational Fluid Dynamics	182	2.45%
Gas Turbines	177	2.39%
Turbomachine Blades	136	1.83%
Compressors	116	1.56%
Turbines	116	1.56%
Aerodynamics	107	1.44%
Engines	72	0.97%
Optimization	72	0.97%
Design	71	0.96%
Carbon Dioxide	64	0.86%
Efficiency	58	0.78%
Navier Stokes Equations	57	0.77%
Heat Transfer	53	0.71%
Aircraft Engines	51	0.69%
Rotating Machinery	51	0.69%
Rotors	51	0.69%

Citation analysis

Table 11. Top cited articles in X research (POP)

No	Authors	Title	Year	TC	C/Y
1					
2					

Publication by source title

Table 12 *Most active source title*

Sources Title	TP	TC

Notes: TP = total number of publications; TC = total citations; CiteScore = average citations received per document published in the source title; SJR = SCImago Journal Rank measures weighted citations received by the source title; SNIP = source normalised impact per paper measures actual citations received relative to citations expected for the source title's subject field; SIGKDD = special interest group on knowledge discovery in data

Title and abstract analysis

Figure 6 VOSviewer visualisation of a term co-occurrence network based on title and abstract fields

Location

Most significant finding

comment

Figure 7. VOSviewer visualisation of a Term co-occurrence network based on title fields

Discussions

RQ1. What is the current trend and impact of publication in X?

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Conclusions and Future recommendation

References