

The most cited articles of information literacy in K-12 education of Asia countries from 2010 to 2019

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Information literacy and learning in the digital age

Learners

- ❖ access information more

Educational institutions

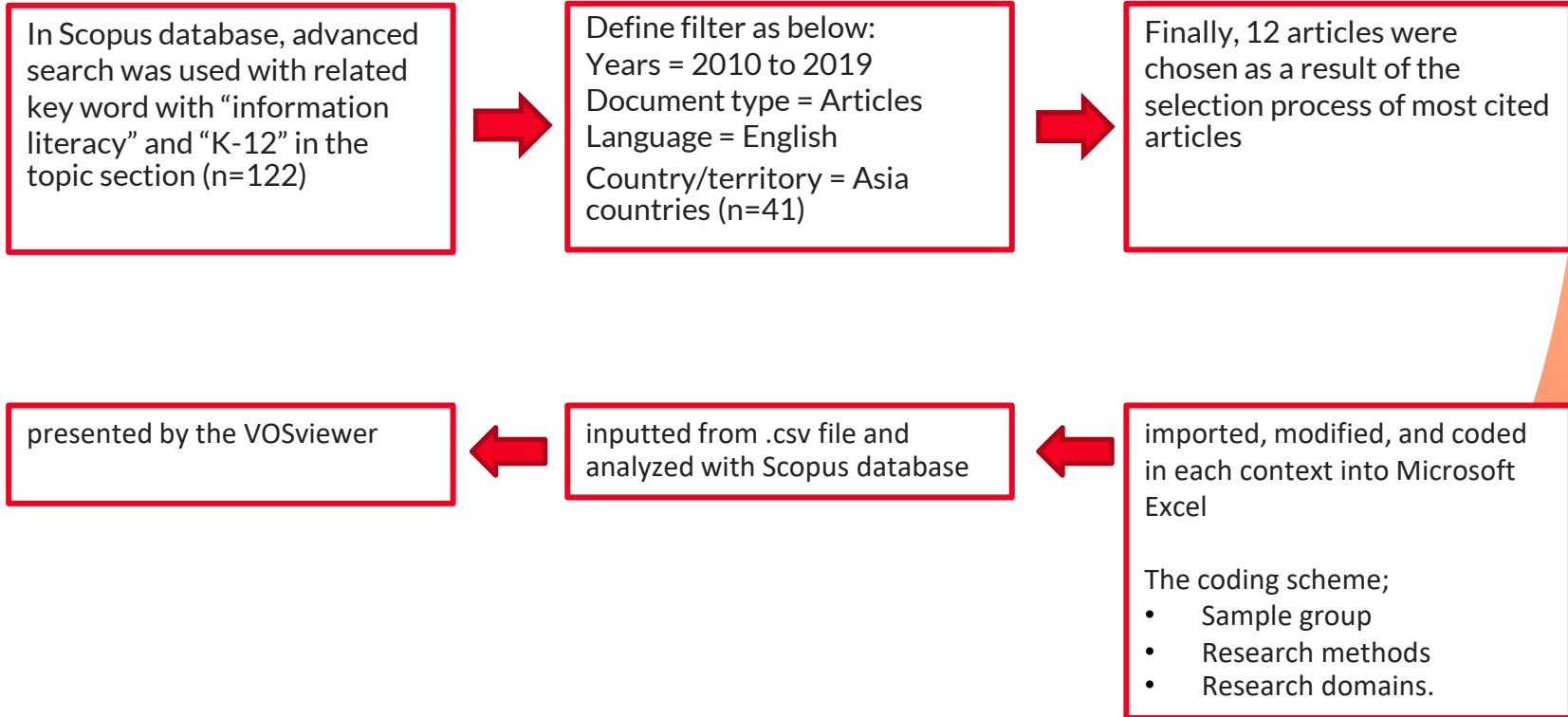
- ❖ adjust thinking methods for developing the media that support teaching and learning
- ❖ up to date and in various forms

“Information literacy is one of the most important learning outcomes for students and is a core competency of a person of learning”

The most cited articles

- The term of "the highly-cited", "top cited paper" and "most cited paper" was used simply as a synonym of high citedness.
- The number of references is considered as one of the indicators to measure the quality of academic output, especially research articles.
- **Web of Science, Scopus, and Google Scholar** are among the most frequent reference databases

Research methods



Results : The most cited articles in information literacy research in K-12 education from 2010 – 2019

Rank	Authors	Title	Publication Year	Country/territory	Totals of citation
1	Chu S.K.W., Tse S.K., and Chow K.	Using collaborative teaching and inquiry project-based learning to help primary school students develop information literacy and information skills	2011	Hong Kong, China	78
2	Li S.C., Pow J.W.C., Wong E.M.L., and Fung A.C.W.	Empowering student learning through Tablet PCs: A case study	2010	China	36
3	Chang F.-C., Chiu C.-H., Chen P.-H., Miao N.-F., Lee C.-M., Chiang J.-T., and Pan Y.-C.	Relationship between Parental and Adolescent eHealth Literacy and Online Health Information Seeking in Taiwan	2015	Taiwan	30
4	Chang F.-C., Miao N.-F., Lee C.-M., Chen P.-H., Chiu C.-H., Lee S.-C.	The association of media exposure and media literacy with adolescent alcohol and tobacco use	2016	Taiwan	29
5	Wijaya A.	Students' information literacy: A perspective from mathematical literacy	2016	Indonesia	21
6	Foo S., Majid S., and Chang Y.K.	Assessing information literacy skills among young information age students in Singapore	2017	Singapore	12
7	Dorner D.G., and Gorman G.E.	Contextual factors affecting learning in Laos and the implications for information literacy education	2011	Malaysia	11
8	Liu E.Z.-F., Ho H.C., and Song Y.J.	Effects of an online rational emotive curriculum on primary school students' tendencies for online and real-world aggression	2011	Taiwan / Hong Kong	11
9	Sakai Y.	The role of readability in effective health communication: An experiment using a Japanese health information text on chronic suppurative otitis media	2013	Japan	8
10	Chen L.C., Chen Y.-H., and Ma W.-I.	Effects of integrated information literacy on science learning and problem-solving among seventh-grade students	2014	Taiwan	8
11	Ash-Argyle R., and Shoham S.	Professional self-efficacy and role perception of school librarians and their impact on the development of students' information literacy: An evidence-based study	2014	Israel	8
12	Baji F., Bigdeli Z., Parsa A., and Haeusler C.	Developing information literacy skills of the 6th grade students using the Big6 model	2018	Iran	8

Distribution of

Malaysian Journal of Library and Information Science is the top journals published in information literacy research in K-12 education (2 articles).

Research journals

Sample group

Top sample group was discussed in information literacy research in K-12 education studies are elementary school (4 articles), senior high school groups, mixed group, and others (2 articles), and junior high school (1 articles)

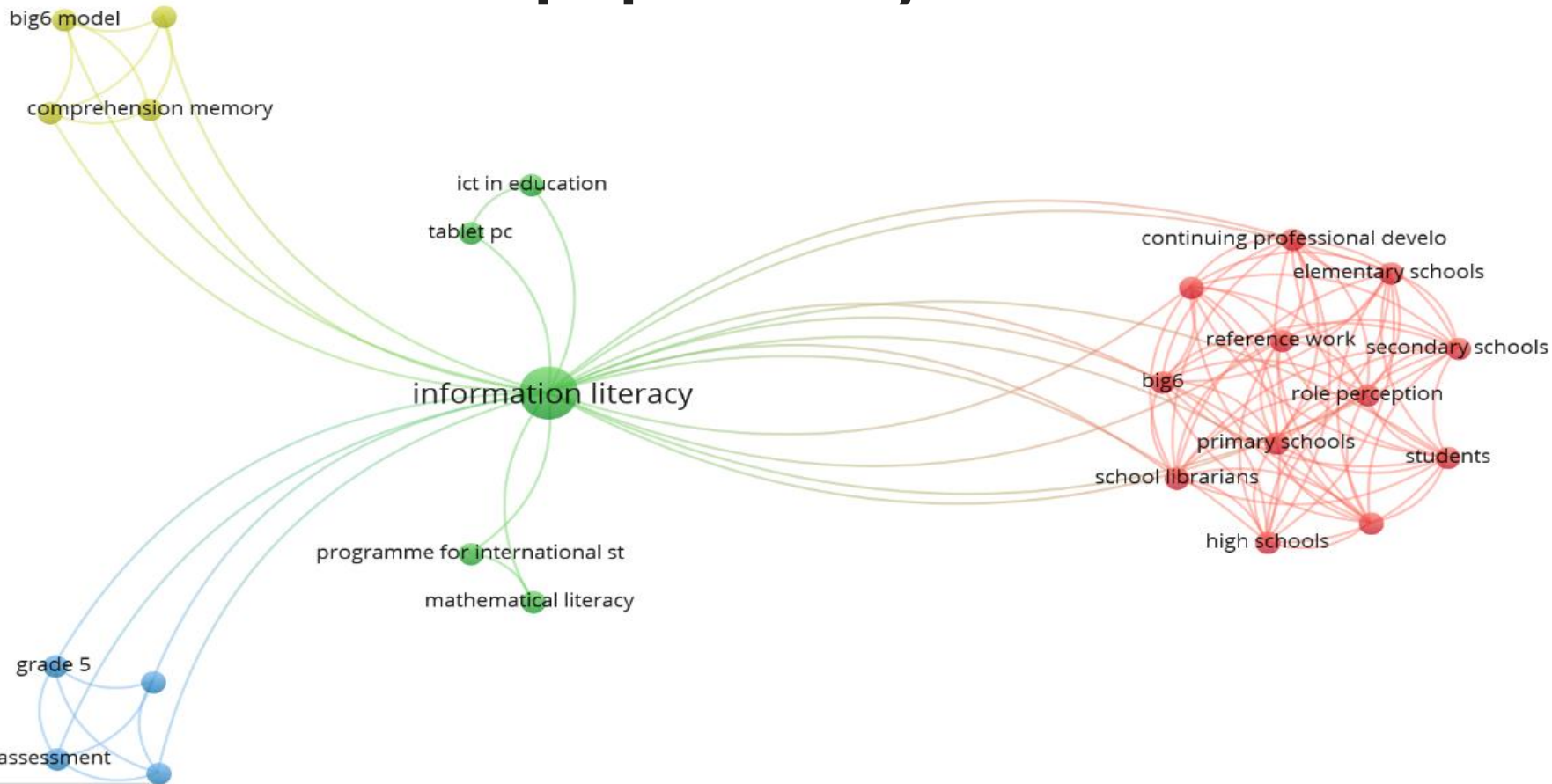
Quantitative method is the most research method used to study in K-12 education (8 articles).

Research methods

Research domains

General objects are the most research domains discussed (5 articles)

The most popular keywords and clusters



Conclusion

- Taiwan are the top three countries that had the most published article journal in Scopus database in 2010 -2019. However K-12 information literacy research has decreased in the past ten years.
- A paper titled “Using collaborative teaching and inquiry project-based learning to help primary school students develop information literacy and information skills” published in the Library and Information Science Research in 2011, is also the most cited (78 times). This study has researcher cited this paper continuously. While some paper didn't have any citation more than four years.

Conclusion

- Asia countries which ranked in the top 10 with the highest average score on the PISA 2018; China (Beijing, Shanghai, Jiangsu, Zhejiang) (1st), Singapore (2nd), Macao, China (3rd) may be not much focus on information literacy research in K-12 education.
- Information literacy research in K-12 education should use qualitative methods because they are exploratory; they seek to uncover respondents' opinions, thoughts, and feelings. It is most commonly used to provide context for new concepts, theories, and results.

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*Thank you for
your attention*