

Survey of Gastroenterology and Hepatology Scientific Productions in Web of Science (WoS) Database (2001-2018)

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Abstract

Background: Scientific productions especially medical achievements play an important role in development and progress of countries. This study aimed to analyze the Gastroenterology and Hepatology scientific Productions from 2001 to 2018 in worldwide, using the Web of Science (WoS) database.

Methods: In this scientometric study, scientific productions from departments/institutes of gastroenterology and hepatology were retrieved from the WoS database in July 2019. The time frame was 2001 to 2018. Therefore, the total number of documents related to the category of gastroenterology and hepatology were recovered and analyzed.

Results: In total, 508657 documents published from departments/institutes of gastroenterology and hepatology worldwide during 2001-2018. During these years, the number of gastroenterology and hepatology publications increased gradually. There were 56954 documents published during 2001-2003, 68530 documents during 2004-2006, 83437 documents during 2007-2009, 86503 documents during 2010-2012, 101366 documents during 2013-2015 and 111867 documents during 2016-2018. Most of those publications belong to the subject category gastroenterology and hepatology (100%), followed by surgery (11.684%) and Transplantation (2.355%). «Gastroenterology» published the most productions (15.937%), followed by «Hepatology» (8.792%) and «American Journal of Gastroenterology» (7.517%). «Mayo Clinic» and «Harvard University» were identified as the most productive centers in gastroenterology and hepatology with a contribution rate of 1.837% and 0.715%, respectively. Most scientific productions in this field were published in English (98.126%) language and in the form of Meeting Abstract (47.563%) and Article (34.235%). The countries with the largest research output in gastroenterology and hepatology are the USA, Japan and England. They produced 26.254%, 8.543% and 6.568% of all publications in this field in the period 2001-2018.

Conclusion: Scientific publications from departments/institutes of gastroenterology and hepatology increased gradually from 2001 to 2018. However, there were decreasing trends in the number of publications in some years.

Keywords: Gastroenterology and Hepatology, Scientific Productions, Web of Science (WoS)