Editorial: Additive manufacturing: a bibliometric analysis

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Additive manufacturing (AM) is a process used to fabricate a physical object from a three-dimensional (3D) digital model, typically through the application of successive thin layers of materials, for example, polymers metals, composites. AM is used to manufacture products in several industries, aerospace, automotive, biomedical, and others (Davim, 2020; Pou et al., 2021; Salunkhe et al., 2022; Singh and Davim, 2019).

The bibliometric analysis used the database Scopus/Elsevier to search for the documents. Using the term {additive manufacturing}, TITLE-ABS-KEY ({additive manufacturing}), 79,789 documents were identified (search carried out on 10th February 2025).

The results obtained in documents can be seen in Table 1, for the first ten positions concerning year, source, author, affiliation, country, document type, scientific area, and funding support. The better results obtained shown in the function of the number of documents produced: year 2024 (14,299), followed by the years 2023 (12,357) and 2022 (11,363); source *Additive Manufacturing* – Elsevier (2,927) followed by *Materials* – MDPI (1,799) and *International Journal of Advanced Manufacturing Technology* – Springer (1665); Lin, X. – Northwestern Polytechnical University (169), followed by Shamsaei, N. – Auburn University (164) and Berto, F. – Sapienza Università di Roma (151); affiliation Ministry of Education of China (1,371) followed by CNRS Centre National de la Recherche Scientifique (1,154) and Nanyang Technological University (1,019); country USA (19,563) followed by China (13,739) and Germany (7,856); document type article (49,911) followed by conference paper (19,282) and review (5,419); scientific area engineering (54,212) followed by materials science (40,950) and physics and astronomy (18,452) and funding support National Natural Science Foundation of China (6,611) followed by National Science Foundation (3,615) and Ministry of Science and Technology of China (2,951).

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Table 1 Documents (79,789) by Scopus/Elsevier (10th February 2025)

	Year	*Source*	*Author*	*Affiliation*
1	2024 (14,299)	*Additive Manufacturing* (2,927)	Lin, X. (169)	Ministry of Education of China (1,371)
2	2023 (12,357)	*Materials* (1,799)	Shamsaei, N. (164)	CNRS Centre National de la Rech. Scientifique (1,154)
3	2022 (11,363)	*Int. J. Adv. Manuf. Tech.* (1,665)	Berto, F. (151)	Nanyang Technological University (1,019)
4	2021 (9,566)	*Materials Science and Engineering A* (1,103)	Körner, C. (147)	Oak Ridge National Laboratory (948)
5	2020 (8,311)	*Materials and Design* (1,060)	Williams, C.B. (145)	Chinese Academy of Sciences (881)
6	2019 (6,456)	*Procedia CIRP* (1,025)	Chua, C.K. (143)	Pennsylvania State University (878)
7	2018 (5,079)	*Rapid Prototyping Journal* (988)	Shi, Y. (140)	School of Mechanical and Aerospace Eng. – NTU (856)
8	2017 (3,967)	*Lecture Notes in Mech. Engineering* (946)	Gu, D. (135)	Politecnico di Torino (758)
9	2016 (2,657)	*Journal of Manufacturing Processes* (920)	Brandt, M. (132)	Huazhong University of Sc. and Technology (731)
10	2015 (1,543)	*Polymers* (852)	Schmidt, M. (130)	Northwestern Polytechnical University (688)
	Country	*Type*	*Area*	*Funding support*
1	USA (19,563)	Article (49,911)	Engineering. (54,212)	National Natural Sci. Found. of China (6,611)
2	China (13,739)	Conference paper (19,282)	Materials Sc. (40,950)	National Science Foundation (3,605)
3	Germany (7,856)	Review (5,419)	Physics and Astr. (18,452)	Ministry of Science and Technology of China (2,951)
4	India (6,097)	Book chapter (3,267)	Computer Science (13,226)	US Department of Energy (2,463)
5	UK (5,472)	Conference review (839)	Chemical Eng. (6,466)	European Commission (2,439)
6	Italy (4,869)	Book (289)	Mathematics (5,968)	National Key Res. and Dev. Program of China (1,902)
7	France (2,792)	Editorial (226)	Chemistry (5,772)	D. Forschungsgemeinschaft (1,541)
8	Australia (2,527)	Note (183)	Energy (3,078)	Engineering and Physical Sc. Research Council (1,491)
9	Canada (2,416)	Short survey (93)	Business, M. and Acc. (2,065)	U.S. Department of Defense (1,346)
10	Spain (2,263)	Data paper (56)	Biochemistry, G. and M.B. (2,449)	European Regional Development Fund (1,290)

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