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**QUANTITATIVE ANALYSIS OF SCIENTIFIC WORKS IN THE AREA OF  
NEUROCONTROLLERS**

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In order to conduct a quantitative analysis of scientific and technical documents on the topic of research, we have used the data of scientific databases Scopus, Web of Science and Google Scholar.

In order to carry out the analysis, the request on the word «neurocontroller» and on the phrase «neural network in control» were performed in the mentioned databases. All data received matches the date of the request – February 5, 2020.

When using the Scopus database, the request was run by article title, short description, and keywords. The result is quantitative data, which is recorded in tables 1-4.

Table 1

Number of publications by research topic in Scopus database by years

Year										Overall number
2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	
Request «neurocontroller»										
3	11	4	8	9	11	11	12	12	16	507
Request «neural network in control»										
967	8857	7763	6244	5085	4697	4525	4403	4235	4423	51199

Table 2

Top 10 countries by Scopus database for 2020-2011

Country									
USA	China	Ukraine	Germany	Poland	Mexico	Russian Federation	India	Canada	Estonia
Request «neurocontroller»									
17	11	8	6	6	5	5	4	3	3
Country									
China	USA	India	United Kingdom	Germany	Canada	Iran	Italy	Japan	South Korea
Request «neural network in control»									
17122	9131	3288	2757	2414	1850	1641	1498	1478	1366

Table 3 summarizes the data that was obtained from requests in the Web of Science database. The top ribbons of Table 3 correspond to the topic of the request and the lower ones to the request's title.

Table 3

Number of publications on the topic of research on Web of Science database by years

Year										Overall number
2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	
Request «neurocontroller»										
-	3	4	7	10	8	9	7	4	9	355
-	-	1	4	3	1	-	3	3	2	124
Request «neural network in control»										
371	5841	5872	5104	4358	3871	3402	3082	2887	2506	62880
4	74	80	62	66	50	53	47	49	53	1407

Request «neurocontroller» in the base Google Scholar for 2020-2011 allows access to approximately 8920 documents. During the same period, the number of publications available for the request «neural network in control» is approximately 1150,000 documents.

Thus, the number of scientific papers that are in the Scopus, Web of Science, Google Scholar databases, as well as the tendency of changing their number, shows the considerable interest of the scientific community in the development and use of technologies based on the capabilities of artificial neural networks.