

Special Attention of Asian Countries to Nanosciences

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According to statistics published on Nano Statistics website, the Asian countries have paid special attention to nanosciences to the extent that the share of nanoscience publications in all scientific publications in those countries is increasing as well as the increase in the number of publications in the field of nanoscience.

The concentration of various countries on nanotechnology as a strengthening technology is different. The national priority of nanotechnology can be measured by using various indicators. Local share in the production of nanosciences, which is one of the indicators, is calculated by dividing the number of nanotechnology articles of a country to the number of total scientific articles published in that country. The indicator shows to what extent the scientific society of a country has accepted nanotechnology as a priority.

The following table lists the top 15 countries in the abovementioned indicator in the past three years. The indicator has been calculated for the countries who had published more than 500 articles. According to the table, the Asian countries are more focused on the production of nanosciences because nine countries among the top 15 are located in Asia. [Singapore](#) has possessed the first rank in the few past years, and more than 20 % of its publications are related to nanotechnology at the moment. [Iran](#) has taken the second place of China in 2012, while [South Korea](#) and [India](#) possess the next ranks.

Top 15 Countries in [Nanotechnology Local Share](#). Data have been obtained from Web of Science for the countries with more than 500 articles until July 2012

Rank	Country	2010	Rank	Country	2011	Rank	Country	2012
1	Singapore	17.7	1	Singapore	19.47	1	Singapore	20.08
2	China	14.77	2	China	15.75	2	Iran	16.28
3	South Korea	13.22	3	South Korea	14.45	3	China	16
4	Ukraine	12.22	4	Iran	14.36	4	South Korea	14.53
5	Iran	12.02	5	Ukraine	13.32	5	India	13.57
6	Taiwan	11.17	6	India	12.61	6	Saudi Arabia	13.42
7	India	10.68	7	Romania	12.35	7	Taiwan	11.78
8	Russia	10.16	8	Taiwan	11.99	8	Malaysia	11.59
9	Romania	9.78	9	Saudi Arabia	11.17	9	Ukraine	11.15

10	Japan	8.74	10	Russia	10.35	10	Russia	11.01
11	Saudi Arabia	8.65	11	Malaysia	10.24	11	Romania	10.85
12	Malaysia	8.65	12	Japan	9.22	12	Egypt	9.73
13	Germany	7.31	13	Germany	7.79	13	Japan	9.07
14	Egypt	7.01	14	Egypt	7.67	14	Germany	7.85
15	France	6.89	15	France	7.38	15	France	7.73

The following image shows the infographic of countries according to the number of their nanotechnology articles and their local share in nanotechnology. A star has been allocated to each country for each 5 % local share.



Source: www.statnano.com