

New Study Reveals Middle-Eastern States' Special Attention to Graphene Research

2015-08-25

Kathleen A. Lehman from University of Arkansas, Fayetteville, carried out a study on the graphene researches in 17 Middle-Eastern countries.

This research studied and compared various indices such as the conditions of countries, top authors, top research centers, most cited articles and centers that support studies on graphene.

According to the results of the research, [Iran](#) has published the highest number of articles among the 17 countries by publishing 1,160 articles while Saudi Arabia and [Turkey](#) rank second and third by publishing 412 and 317 articles on graphene, respectively.

This research introduced 11 research centers as the most active centers in publishing graphene related articles. The top centers are as follows: Islamic Azad University ([Iran](#)), Sharif University of Technology ([Iran](#)), King Abdulaziz University ([Saudi Arabia](#)), and King Abdullah University of Science and Technology ([Saudi Arabia](#)).

This research also studied the rate of growth in the number of studies carried out on graphene in the world and in the region. Similar to the global growth, the number of researches carried out on graphene has increased rapidly in the region, to the extent that it reached 812 articles in 2014 from 110 articles in 2010.



Annual number of graphene-related publications with at least one affiliation in the Middle-East

The study showed that about 95% of the publications have been in form of articles while 3% have been in form of proceeding papers. The following table lists the journals that have published the highest number of graphene related articles.

Journal Title	No. articles
Physical Review B	184
RSC Advances	64
Physica E: Low Dimensional Systems and Nanostructures	64
Journal of Applied Physics	60
Applied Physics Letters	56
Solid State Communications	42
Journal of Physical Chemistry C	37
ACS Nano	36
Electrochimica Acta	33
Carbon	32

This research showed that researchers in the Middle-East, like other researchers across the world, have realized the importance of graphene, and they have carried out different researches to develop the knowledge about graphene.

Please visit [Publications section](#) in order to read the full paper, exclusively published in StatNano.