

## SPbPU is the first in the Materials Science: Metallurgy category in the Expert Center ranking

The results of the ranking of scientific productivity of Russian universities of the Expert Analytical Center have been announced. In the «Materials Science: Metallurgy (Metals and Alloys)» category, SPbPU climbed to the first place (plus six positions) and topped the list of universities, beating such competitors as SPbU, MISIS, and Lomonosov Moscow State University (MSU).



In the comprehensive engineering ranking Polytechnic University showed a sharp growth, taking 6th place (up 9 positions) and entering the first group of technical universities. Integrally, the university showed high positive dynamics in almost 13 subject areas: materials science, metallurgy, renewable energy, engineering sciences, mathematics, energy, chemical technologies, management, economics, computer science, ecology, social sciences, biochemistry.

In materials science, engineering, social sciences, economics and management, SPbPU was ranked among the top ten universities in the country. In engineering sciences there is a growth of nine positions, in materials science (plus seven positions), in management (growth of four positions).

The university showed strong growth in such indicators as scale, demand for scientific activity and excellence. These criteria show the extent to which scientific achievements and ideas created at the university are used and find application in the technological mode and economy of the country, as well as the unique scientific competencies and results of a higher education institution that determine its leading position in various branches of science and technology.

The Expert Analytical Center has been conducting a study of the publication activity of Russian universities since 2016. The ranking evaluates universities based on the indicators of scientific productivity in subject areas for the previous four years, relying on publications in the Scopus database.

The calculation methodology is based on four semantic blocks:

- «Demand for scientific activity» (level of citation of the university in the region)
- «Scale, sustainability of scientific activity» (the share of publications of the university in the total volume of publications in the country and the Hirsch index of researchers)
- «Quality of growth» (concentration of articles in journals)
- «Excellence» (representation among the best publications in international databases).

The totality of these measures will optimize the management of the process of formation of scientific policy of the university, achieve positive changes in the structure of scientific research and bring the university to a new qualitative level. A total of 143 universities were analyzed by experts in the subject rankings this year.

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