



# U-MULTIRANK 2020

Chinese Universities in Global Comparison



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## U-MULTIRANK 2020

U-Multirank is a unique, multi-dimensional and international ranking of higher education institutions. It compares university performance across teaching and learning, research, knowledge transfer, international orientation and regional engagement. It is the largest and most inclusive ranking showcasing the diversity in higher education around the world. It is not a league table and does not use composite indicators, nor reputation weights. Therefore, there is no one best university in U-Multirank. The performance of a university is presented with individual scores – graded from 'A' (very good) to 'E' (weak) across the different areas.

U-Multirank's 2020 edition presents data on 117 Chinese higher education institutions. For the full list of all universities from China included in U-Multirank, please visit our [website](#).

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## AT A GLANCE: HOW DO CHINESE UNIVERSITIES FARE IN U-MULTIRANK?

- The 2020 edition of U-Multirank includes 117 universities from China, incl. Hong Kong and Macau. Most of them are presented only with bibliometric and patent data in the Research and Knowledge Transfer Dimensions.
- 4 Chinese universities have 10 or more top group positions ('A') scores: The University of Macau, Tongji University, Peking University and Tsinghua University.
- Based on the data on research and knowledge transfer Chinese universities perform strongly in the Research Dimension. Over 70% of all indicator scores of Chinese universities in the Research Dimension are better than average (groups 'A' or 'B'). In the Knowledge Transfer Dimension, almost half the scores are below average.
- 12 universities made it into one of our 10 lists of Global Top 25 Performers, most of them in terms of their absolute number of research publications (Peking University, Shanghai Jiao Tong University, Tsinghua University, the University of the Chinese Academy of Sciences and Zhejiang University) and in the (size-normalised) number of patents awarded (Hong Kong Baptist University, Hong Kong University of Science and Technology, South China University of Technology and Tsinghua University).
- The 2 branches of China University of Petroleum in Beijing and Qingdao are both listed for co-publications with industrial partners. Hunan University is listed for its high percentage of top-cited publications. Moreover, Beijing Union Medical College is ranked among the global Top 25 regarding their percentage of academic publications in open access journals.



## WHICH ARE THE TOP PERFORMING UNIVERSITIES IN CHINA?

University of Macau received the highest number of 'A' (very good) scores on the institutional level for China in 2020.

In this section we highlight the universities receiving the highest number of 'A' (very good) scores on the institutional level for the respective country.

Although the number of 'A' scores shows top performance for the respective university, it does not imply one university is the 'best' in the country, as each university profile highlights different strengths.

| Chinese universities with the highest number of overall top scores in 2020 | Total 'A' scores 2020 | Total 'A' scores 2019 |
|--|-----------------------|-----------------------|
| <a href="#">University of Macau</a>  | 13 ↑                  | 11                    |
| <a href="#">Tongji University</a>  | 11 ↑                  | 9                     |
| <a href="#">Peking University</a>  | 10 ↑                  | 8                     |
| <a href="#">Tsinghua University</a>  | 10 ↓                  | 11                    |
| <a href="#">Chinese University of Hong Kong</a>                            | 9 ↑                   | 6                     |
| <a href="#">Shanghai Jiao Tong University</a>                              | 9 ↑                   | 7                     |
| <a href="#">Xiamen University</a>  | 9 ↑                   | 6                     |
| <a href="#">China University of Petroleum, Beijing</a>                     | 9 ↑                   | 5                     |
| <a href="#">Beijing University of Chemical Technology</a>                  | 9 ↑                   | 6                     |

The list includes different profiles of institutions: comprehensive universities, as well as business schools and technical universities.

# WHAT ARE THE PERFORMANCE PROFILES OF CHINA TOP SCORING UNIVERSITIES?

Using our unique sunburst chart, a clear picture is shown of the university's overall performance (the longer the bar, the higher the score).



## U-MULTIRANK PRESENTS SUNBURSTS

### PERFORMANCE INDICATORS

|                                  |  |
|----------------------------------|--|
| <b>TEACHING &amp; LEARNING</b>   | 1 Bachelor graduation rate                         |
|                                  | 2 Masters graduation rate                          |
|                                  | 3 Graduating on time (Bachelors)                   |
|                                  | 4 Graduating on time (Masters)                     |
| <b>RESEARCH</b>                  | 5 External research income                         |
|                                  | 6 Research publications (size-normalized)          |
|                                  | 7 Art related output                               |
|                                  | 8 Citation rate                                    |
|                                  | 9 Topcited publications                            |
|                                  | 10 Interdisciplinary publications                  |
|                                  | 11 Post-doc positions                              |
| <b>KNOWLEDGE TRANSFER</b>        | 12 Income from private sources                     |
|                                  | 13 Co-publications with industrial partners        |
|                                  | 14 Patents awarded (size-normalized)               |
|                                  | 15 Industry co-patents                             |
|                                  | 16 Spin-offs                                       |
|                                  | 17 Publications cited in patents                   |
|                                  | 18 Income from continuous professional development |
| <b>INTERNATIONAL ORIENTATION</b> | 19 Foreign language bachelor programmes            |
|                                  | 20 Foreign language master programmes              |
|                                  | 21 Student mobility                                |
|                                  | 22 International academic staff                    |
| <b>REGIONAL ENGAGEMENT</b>       | 23 International doctorate degrees                 |
|                                  | 24 International joint publications                |
|                                  | 25 Bachelor graduates working in the region        |
|                                  | 26 Student internships in the region               |
|                                  | 27 Regional joint publications                     |
|                                  | 28 Income from regional sources                    |
|                                  | 29 Master graduates working in the region          |

[www.umultirank.org](http://www.umultirank.org)

\*For a list of definitions and calculations of indicators, see our [Indicator Book](#).

# WHAT DO CHINESE UNIVERSITIES DO BEST?

12 Chinese universities have achieved a global Top 25 score in 2020

## TOP 25 PERFORMING UNIVERSITIES IN PATENTS AWARDED

By U-Multirank



In this list we present the U-Multirank 2020 top performers on the indicator 'patents awarded (size-normalised)'. The number of patents is an established measure of technology transfer as it indicates the degree to which discoveries and inventions made in academic institutions are transferred to economic actors for further industrial-commercial development. Correcting for the size of the institution (overall student enrollments) enables a size-independent comparison of higher education institutions.

Europe

2

Asia

23

- Korea Advanced Institute of Science and Technology (KAIST) (Korea, Republic Of)
- National Tsing Hua University (Chinese Taipei)
- Kumamoto University (Japan)
- National Chiao Tung University (Chinese Taipei)
- Weizmann Institute of Science (Israel)
- South China University of Technology (China)
- Université Grenoble Alpes (France)
- National Central University (Chinese Taipei)
- Kanazawa University (Japan)
- University of London (United Kingdom)
- Catholic University of Korea (Korea, Republic Of)
- Tsinghua University (China)
- Seoul National University (Korea, Republic Of)
- National Chung Cheng University (Chinese Taipei)
- Hong Kong University of Science and Technology (China)
- Yonsei University (Korea, Republic Of)
- National Taiwan University (Chinese Taipei)
- Hong Kong Baptist University (China)
- The University of Tokyo (Japan)
- Japan Advanced Institute of Science and Technology (JAIST) (Japan)
- Sungkyunkwan University (Korea, Republic Of)
- Kyoto University (Japan)
- Shinshu University (Japan)
- Ajou University (Korea, Republic Of)
- National Cheng Kung University (Chinese Taipei)

\*The list is sorted by indicator scores in descending order; possible ties are not marked.



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## Globally Top Performing Chinese Universities

In this section, U-Multirank presents the global Top 25 performers in a set of 10 indicators measuring different dimensions of performance. These lists highlight the 25 top-performing universities from around the world with the highest scores.

Chinese universities that have achieved a global Top 25 score are listed under the respective categories:

### Co-publications with industrial partners

- [China University of Petroleum, Beijing](#)
- [China University of Petroleum, Qingdao](#)

### Open access publications

- [Beijing Union Medical College](#)

### Patents awarded (size-normalised)

- [Hong Kong Baptist University](#)
- [Hong Kong University of Science and Technology](#)
- [South China University of Technology](#)
- [Tsinghua University](#)

### Research publications (absolute numbers)

- [Peking University](#)
- [Shanghai Jiao Tong University](#)
- [Tsinghua University](#)
- [University of the Chinese Academy of Sciences](#)
- [Zhejiang University](#)

### Top-cited publications

- [Hunan University](#)

\*For the full lists of all global Top 25 performers, please visit our [website](#).

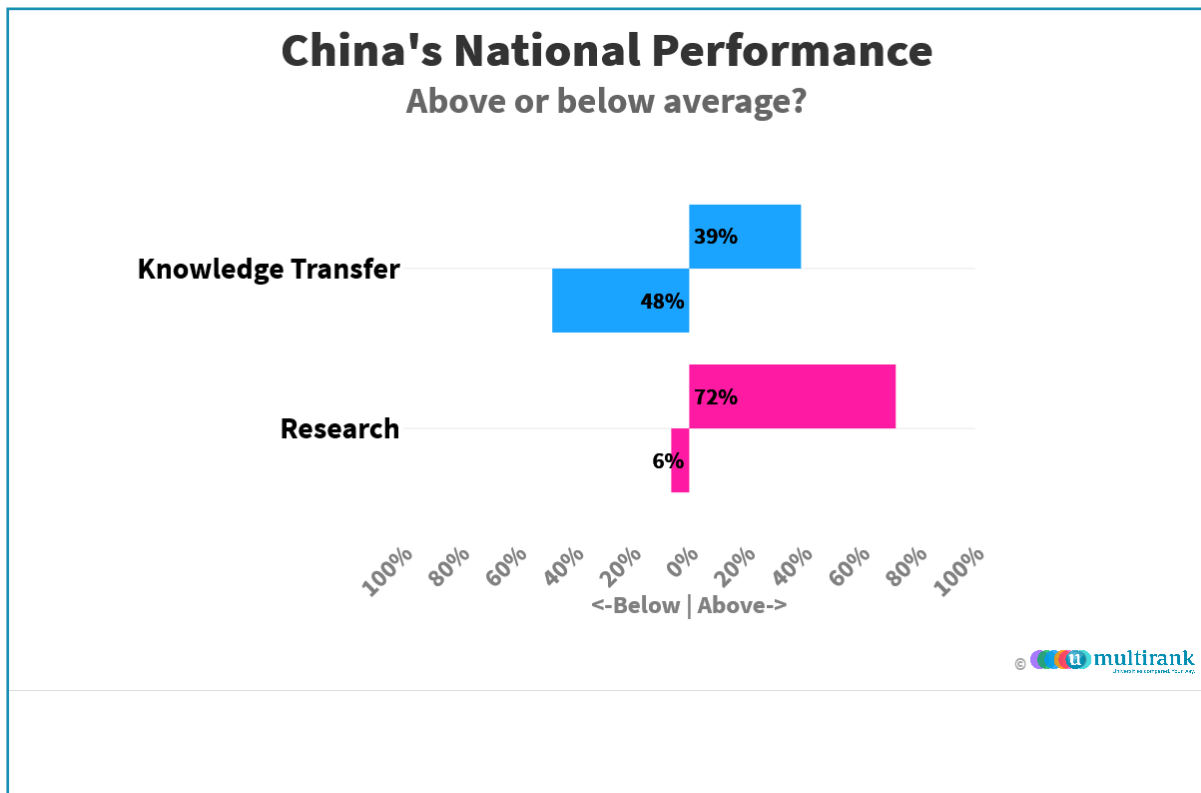
# HOW DO CHINESE UNIVERSITIES PERFORM GLOBALLY?

Chinese higher education institutions perform strongest in U-Multirank's Research dimension.

## Above or below average?

In this section we highlight the overall performance of Chinese universities on the institutional level per U-Multirank dimension.

The below table shows the national breakdown of Chinese universities and how they stand across the spectrum of above average (receiving a score of 'A' (very good) or 'B' (good)), or below average (receiving a score of 'D' (below average) or 'E' (weak)). In doing so, U-Multirank offers a clear picture on the countries strengths, and areas for improvement.



# APPENDIX

## DETAILED RESULTS

If you want to analyse further the performance of the universities in your country you can click the following links.

The below links lead directly to the national results pages where we pre-filtered the universities in your country into one list (for the university as a whole and for the subject areas included in U-Multirank so far). You can use the table to produce national rankings (see image below), or for personalised interactive analyses with the data.

If you're interested in tailor-made tables (institutional level, subject level, or with a specific focus in mind, such as internationalisation), please contact us, at [info@umultirank.org](mailto:info@umultirank.org). These links are also accessible via your country's 'Study in' page.

| University Your selection: 117 universities        |                              |               |   |  |                                   |                           |                                  |  |                             |   |   |
|--|------------------------------|---------------|---|--|-----------------------------------|---------------------------|----------------------------------|--|-----------------------------|---|---|
| Level of study: bachelor, master Regions: China.   |                              |               |   |  |                                   |                           |                                  |  |                             |   |   |
| 4.6.2020<br>du.umultirank.org                      |                              |               |   |  |                                   |                           |                                  |  |                             |   |   |
| Teaching & Learning                                |                              | Research      |   | Knowledge Transfer                       |                                   | International Orientation |                                  | Regional Engagement                      |                             |   |   |
| Bachelor graduation rate                           | Graduating on time (masters) | Citation rate | Research publications (size-normalised) | Co-publications with industrial partners | Patents awarded (size-normalised) | Student mobility          | International joint publications | Bachelor graduates working in the region | Regional joint publications |   |   |
| China University of Petroleum, Beijing             | CN                           | -             | -                                       | A  | A                                 | A                         | A                                | -  | D                           | - | A |
| University of Macau                                | CN                           | A             | D                                       | A  | A                                 | D                         | A                                | B  | C                           | B | D |
| China University of Geosciences                    | CN                           | -             | -                                       | B  | A                                 | A                         | A                                | -  | C                           | - | A |
| Tsinghua University                                | CN                           | -             | -                                       | A  | A                                 | B                         | A                                | -  | C                           | - | A |
| Beijing University of Posts and Telecommunications | CN                           | -             | -                                       | B  | A                                 | A                         | A                                | -  | D                           | - | A |
| University of Science and Technology Beijing       | CN                           | -             | -                                       | B  | A                                 | A                         | A                                | -  | D                           | - | A |
| China Pharmaceutical University                    | CN                           | -             | -                                       | B  | A                                 | A                         | A                                | -  | D                           | - | A |
| Chinese University of Hong Kong                    | CN                           | -             | -                                       | A  | A                                 | C                         | A                                | -  | C                           | - | A |
| Beijing University of Chemical Technology          | CN                           | -             | -                                       | A  | A                                 | C                         | A                                | -  | D                           | - | A |
| Hong Kong Baptist University                       | CN                           | -             | -                                       | A  | A                                 | D                         | A                                | -  | D                           | - | A |

### U-Multirank's National University Rankings 2020-2021 – China

- [Institutional Rankings](#)

#### Press materials:

- [Advanced press release \(includes graphics and tables for download in Appendix\)](#)
- [FAQ](#)
- [Overview Infographic 2020](#)





## WHAT IS U-MULTIRANK?

U-Multirank is a multidimensional, user-driven approach to international ranking of higher education institutions. It compares the performances of higher education institutions – in short: universities – in the five dimensions of university activity:

(1) teaching and learning, (2) research, (3) knowledge transfer, (4) international orientation and (5) regional engagement.

The U-Multirank web tool enables comparisons at the level of the university as a whole and at the level of specific study programmes. Based on empirical data, U-Multirank compares institutions with similar institutional profiles ('like-with-like') and allows users to develop their own personalised rankings by selecting indicators in terms of their own preferences.

Based on the results of a feasibility study covering 150 universities which was carried out in 2010/11, the European Commission decided to fund the implementation of U-Multirank. This roll out is carried out by a consortium led by Professor Frans van Vught of the Center for Higher Education Policy Studies (CHEPS), University of Twente in The Netherlands and Professor Frank Ziegele of the Centre for Higher Education (CHE) in Germany as well as the Centre for Science and Technology Studies (CWTS) from Leiden University, Fundacion CYD and Folge 3. U-Multirank is funded by the European Commission, the Bertelsmann Foundation and Banco Santander. The consortium also works closely with a range of national ranking partners and stakeholder organisations.

The work of the U-Multirank consortium is overseen by an Advisory Board.



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