

## APPENDIX Q2-A - Drilling down in Nature Index

Nature Index is a specialized ranking of institutions' and countries' publications in a selected bundle of scientific publications. Publications" is a size-dependent metric resulting in the same institutions or countries appearing in many top lists. For background, see [Ruth's Rankings 7](#). See the following tables below

TABLE 2 – Top Asia/Pac Academic Institutions

TABLE 3 – Example - Top Indian Institutions

TABLE 4 – Countries

TABLE 5 – Sciences

**TABLE Q2 A-1- Top 20 All institutions and Academic institutions**

Share Rank	ALL INSTITUTIONS	Share Rank	ACADEMIC INSTITUTIONS
1	<b>Chinese Academic of Sciences</b>	1	Harvard
2	Harvard University	2	Stanford
3	Max Planck Society	3	MIT
4	French National Centre for Scientific Research	4	<b>U Science &amp; Technology China</b>
5	Stanford University	5	Oxford
6	Massachusetts Inst of Technology - MIT	<b>6</b>	<b>Peking</b>
7	Helmholtz Assoc of German Research Centres	<b>7</b>	<b>Tokyo</b>
<b>8</b>	<b>U Science &amp; Technology China</b>	<b>8</b>	<b>Tsinghua</b>
9	University of Oxford	<b>9</b>	<b>Nanjing</b>
<b>10</b>	<b>Peking University</b>	10	Cambridge
<b>11</b>	<b>The University of Tokyo</b>	<b>11</b>	<b>U Chinese Academic of Sciences</b>
<b>12</b>	<b>Tsinghua University</b>	11	ETH -Zurich
<b>13</b>	<b>Nanjing University</b>	13	UC Berkeley
14	University Cambridge	14	U Michigan
<b>15</b>	<b>U Chinese Academic of Sciences -UCAS</b>	15	UC San Diego
16	Swiss Federal Inst of Tech Zurich-ETH Zurich	16	Yale
17	National Institutes of Health U.S. - NIH	17	UCLA
18	University of California Berkeley	<b>18</b>	<b>Zhejiang</b>
19	University of Michigan	19	Cornell
20	University of California San Diego	20	Northwestern

NOTES: **World** - Seven from U.S., six from China, two from U.K. and Germany, one from Japan and France; **Academic** – 10 U.S. , six from China, two U.K., one from Japan and Switzerland

<https://www.natureindex.com/annual-tables/2020/institution/all/all>

<https://www.natureindex.com/annual-tables/2020/institution/academic/all>

Table QA2 -2 –Top 20 A/P Academic Institutions with top in other A/P countries  
Calendar year 2019; 500 institutions

Rank	ACADEMIC INSTITUTIONS	Rank	ACADEMIC INSTITUTIONS
1	University of Science & Technology China	16	Sichuan U
2	Peking U	17	Wuhan U
3	<b>U of Tokyo</b>	18	Huahong U Science & Tech
4	Tsinghua U	19	Xiamen U
5	Nanjing U	20	<b>Osaka U</b>
6	U Chinese Academy of Sciences		<b>OTHER ASIAN COUNTRIES</b>
7	Zhejiang U	22 KR	Seoul Ntl U
8	Fudan U	29 AU	UNSW
9	Sun Yat-sen U	35 HK	HIUST
10	<b>National U of Singapore</b>	62 IN	Indian Institute of Science
11	<b>Kyoto U</b>	72 TW	Ntl Taiwan U
12	Shanghai Jiao Tong U	134 NZ	U Otago
13	Nankai U	201 MO	University of Macau
14	<b>Nanyang Technological U</b>	275 TH	Chulalongkorn U
15	Soochow U	463 KP	Kim Il-sung

Note: Countries in bold are not mainland Chinese

<https://www.natureindex.com/annual-tables/2020/institution/academic/all/regions-Asia%20Pacific>

TABLE QA2 -3 Top Indian Institutions, with World, Asia/Pac and Indian ranks

India		World	A/P
163	Institution	500	500
1	Indian Institute of Science	159	58
2	Homi Bhabha National Institute	236	76
3	Indian Institute of Technology Bombay	267	86
4	Indian Institute of Technology Madras	307	99
5	Indian Institute of Science education & research Kolkata	339	110
6	Indian Institute of Technology Guwahati	350	115
7	Indian Institute of Technology Kanpur	369	120
8	Indian Inst of Sci Ed & Re Pune	411	137
9	Indian Institute of Technology Kharagpur	435	150
10	Indian Institute of Sci Ed & Re Bhopal	445	152

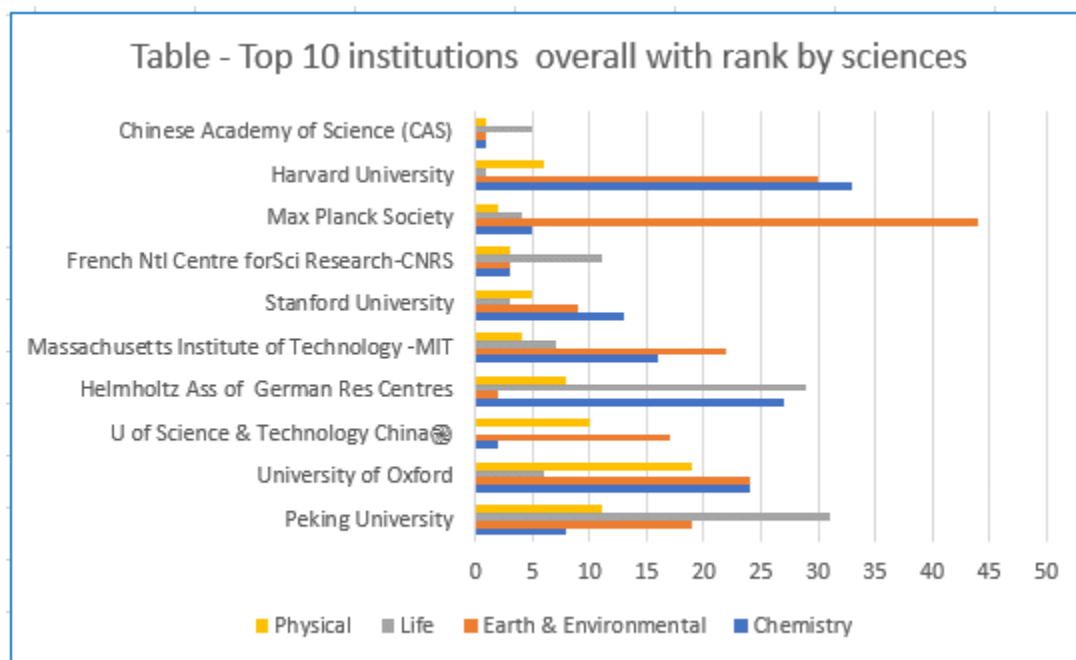
**TABLE QA2-4 Nature's World top 20 countries and Asia/Pac Countries**

Country ranking by Country Share and number of academic institutions

	Region	Share Score Rank	# Unis in top 500	Rank by Unis	# Unis A/P 500	A/P Uni Rank	Other East Asia Countries	Share Rank A/P
United States	NA	1	129	1			Indonesia	11
<b>China</b> 🌀1	<b>AP</b>	<b>2</b>	<b>107</b>	<b>2</b>	<b>268</b>	1	Malaysia	12
Germany	EU	3	43	3			Bangladesh	13
United Kingdom	EU	4	33	4			Nepal	14
<b>Japan</b>	<b>AP</b>	<b>5</b>	<b>18</b>	<b>5</b>	<b>89</b>	2	Philippines	15
							<b>North Korea</b>	
France	EU	6	13	8			🌀3	16
Canada	NA	7	17	6			Sri Lanka	17
Switzerland	EU	8	8	15			<b>Myanmar</b> 🌀3	19
<b>South Korea</b>	<b>AP</b>	<b>9</b>	<b>13</b>	<b>8</b>	<b>43</b>	4	Mongolia	20
<b>Australia</b>	<b>OC</b>	<b>10</b>	<b>15</b>	<b>7</b>	<b>29</b>	5	Cambodia	21
Spain	EU	11	9	14			Brunei	26
<b>India</b>	<b>AP</b>	<b>12</b>	<b>11</b>	<b>10</b>	<b>45</b>	3	Laos	27
Italy	EU	13	11	10			Bhutan	29
Netherlands	EU	14	11	10				
Sweden	EU	15	10	13				
Israel	ME	16	6	17				
<b>Singapore</b>	<b>AP</b>	<b>17</b>	<b>2</b>	<b>24</b>	<b>3</b>	8		
Russia	EU	18	2	24				
Belgium	EU	19	7	16				
Denmark	EU	20	4	20				
<b>Taiwan</b>	<b>AP</b>	<b>21</b>	<b>5</b>	<b>19</b>	<b>19</b>	6		
<b>New Zealand</b>	<b>OC</b>	<b>30</b>	<b>2</b>	<b>24</b>	<b>5</b>	7		
<b>Thailand</b> 🌀2	<b>AP</b>	<b>40</b>			0	9		
<b>North Korea</b>	<b>KP</b>				1	10		
<b>Vietnam</b>	<b>VN</b>				1	<b>10</b>		

<https://www.natureindex.com/annual-tables/2020/country/all>

**TABLE QA2 -5 – Top by science**



**Table Q2 – A-5 Top15 Institutions with ranks by Science**

	Chemistry	Earth & Environmental	Life	Physical	Overall
<b>Chinese Academy of Science (CAS)</b>	<b>1</b>	<b>1</b>	<b>5</b>	<b>1</b>	<b>1</b>
Harvard University	33	30	1	6	2
<b>Max Planck Society</b>	<b>5</b>	<b>44</b>	<b>4</b>	<b>2</b>	<b>3</b>
<b>French Ntl Centre for Sci Research</b>	<b>3</b>	<b>3</b>	<b>11</b>	<b>3</b>	<b>4</b>
<b>Stanford University</b>	<b>13</b>	<b>9</b>	<b>3</b>	<b>5</b>	<b>5</b>
<b>Massachusetts Institute of Technology - MIT</b>	<b>16</b>	<b>22</b>	<b>7</b>	<b>4</b>	<b>6</b>
Helmholtz Ass of German Res Centres	27	2	29	8	7
U of Science & Technology China	2	17		10	8
University of Oxford	24	24	6	19	9
Peking University	8	19	31	11	10
University of Tokyo (The)	15	20	49	7	11
Tsinghua University	7	26	52	9	12
Nanjing University	4	6		16	13
University of Cambridge	31	34	14	13	14
U of Chinese Academy of Sciences	6	13	60	15	15

NOTES Below

Subject share and count metrics are available for all 500 institutions

[🌐 Top 10 Rising Stars - the top 44 are from China - based on changes from 2015](https://www.natureindex.com/annual-tables/2020/institution/all/all)

<https://www.natureindex.com/annual-tables/2020/institution/all/all>

Institutions	x Science	Rising	Top 500
Countries/territories	x Science	Rising	Top 500
Academic Institutions	x Science	Rising	Top 500
Corporate Institutions	x Science		Top 100
Healthcare Institutions	x Science		Top 100
Top Government Institutions	x Science		Top 100
Top NPO/NGO	x Science		Top 100