			Number of publications	Field-weighted citation impact
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Rank 2018	Institution	Con	Na Para	Fiel
1	American Cancer Society	United States	771	13.45
	Broad Institute	United States	4,444	5.71
3	Whitehead Institute for Biomedical Research	United States	832	5.03
4	International Agency for Research on Cancer	France	1,720	4.80
5	National Institute of Psychiatry Ramon de la Fuente Muñiz	Mexico	606	4.26
6	Wellcome Trust Sanger Institute	United Kingdom	3,033	4.20
7	Cancer Registry of Norway Institute of Population-Based Cancer Research	Norway	656	4.02
8	Finnish Institute of Occupational Health	Finland	1,197	4.01
9	CREAL - Centre for Research in Environmental Epidemiology	Spain	886	3.99
10	Dana-Farber Cancer Institute	United States	9,351	3.86
11	Howard Hughes Medical Institute	United States	12,801	3.83
12	European Molecular Biology Laboratory	Germany	3,639	3.82
	Ontario Institute for Cancer Research	Canada	723	3.78
	Cold Spring Harbor Laboratory	United States	1,048	3.76
15	Luxembourg Institute of Health	Luxembourg	673	3.73
16	International Centre for Diarrhoeal Disease Research Bangladesh	Bangladesh	1,270	3.68
17	Netherlands Institute for Developmental Biology	Netherlands	616	3.64
18	Swiss Institute of Bioinformatics	Switzerland	1,709	3.61
19	FOM – Institute of Subatomic Physics – NIKHEF	Netherlands	1,974	3.57
20	Institut Gustave Roussy	France	4,009	3.56
	National Science Foundation	United States	948	3.55
	Potsdam Institute for Climate Impact Research	Germany	1,330	3.53
23	National Bureau of Economic Research	United States	2,614	3.48
	Netherlands Cancer Institute	Netherlands	3,284	3.47
25	Wellcome Trust	United Kingdom	2,465	3.46
	Cardiovascular Research Foundation	United States	790	3.39
	Hopital Dupuytren	France	678	3.38
	IRCCS Materno Infantile Burlo Garofolo	Italy	977	3.36
	Glenfield Hospital	United Kingdom	823	3.33
30 =31	National Institute of Public Health Public Health Agency of Canada	Mexico Canada	1,493 1,577	3.32 3.31
	Norwegian Institute of Public Health		2,821	3.31
	The George Institute for Global Health	Norway Australia	1,881	3.30
34	Memorial Sloan Kettering Cancer Center	United States	12,482	3.29
35	Institute of Cancer Research	United States United Kingdom	2,299	3.27
	Box Hill Hospital	Australia	972	3.20
	Scripps Clinic	United States	681	3.20
38	Institute for Systems Biology	United States	525	3.17
39	Folkhälsan Research Centre	Finland	1,219	3.16
40	South Australian Health and Medical Research Institute	Australia	1,121	3.12
	Canisius Wilhelmina Hospital	Netherlands	756	3.09
	Van Andel Research Institute	United States	524	3.08
	International Institute for Applied Systems Analysis, Laxenburg	Austria	1,289	3.06
	Swiss Tropical Institute	Switzerland	2,197	3.05
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1-50 Institute for Advanced Studies	=48	Ludwig Institute for Cancer Research	Switzerland	1,211	3.01
-52 Cross Cancer Institute Canada 704 2.97 -52 Woolcook Institute of Medical Research Australia 643 2.97 -54 Churchill Hospital United Kingdom 1,640 2.93 -54 National Cancer Research Institute, Milan Italy 2.825 2.93 -54 Westerdijk Tungal Biodiversity Institute Netherlands 561 2.92 -57 Westchester Medical Center United States 561 2.92 -57 Winglin Masson Medical Center United States 1,014 2.91 60 California Pacific Medical Center United States 1,014 2.91 -61 Cancer Research UK United Kingdom 3,512 2.89 -61 Cancer Research UK United Kingdom 3,512 2.89 -61 Quara Computing Research institute for Pharmacological Research Qatar 793 2.89 -61 Mario Negri Institute for Pharmacological Research Italy 2,014 2.89 -61 IRE - Institute for High Energy Physics Spain 1,171 2.88 66 Niguarda Californer Isaa 66 Niguarda Californer I	=50	Minneapolis Heart Institute	United States	660	3.00
1-52 Woolcock Institute of Medical Research	=50	Institute for Advanced Studies	United States	1,452	3.00
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-57 Westchester Medical Center -57 Irimbos Institute, Netherlands Institute of Mental Health and Addiction Netherlands 584 2.92 Trimbos Institute, Netherlands Institute of Mental Health and Addiction Netherlands 584 2.99 Trimbos Institute, Netherlands Institute of Mental Health and Addiction Netherlands 584 2.99 Trimbos Institute of Applied Science -60 California Pacific Medical Center United States 1,025 2.90 Lapan 726 2.89 -61 Qatar Computing Research institute Qatar 793 2.89 -61 Qatar Computing Research institute Qatar 793 2.89 -63 IFAE - Institute for Pharmacological Research 1 Italy 2,014 2.89 -65 IFAE - Institute for High Energy Physics Spain 1,171 2.88 -66 Niguarda Ca Granda Hospital 1 Italy 619 2.87 -67 Hamilton Health Sciences Canada 1,378 2.86 -68 Carmel Medical Center Israel 600 2.85 -69 Fred Hutchisson Cancer Research Center United States 642 2.84 -70 Royal Marsden NHS Foundation Frust United Kingdom 1,415 2.83 -71 Health Canada Canada 1,239 2.81 -72 Food and Agriculture Organization of the United Nations 1 Italy 822 2.80 -72 National Institute of Chemical Physics and Biophysics, Tallinn Estonia 890 2.80 -74 Astronomical Observatory of Padua Italy 1,490 2.79 -74 Christiana Care Health System United States 655 2.79 -75 Food and Servatorion Astronomica Research Institute United States 655 2.79 -76 Osservatorio Astronomica Research Institute United States 655 2.79 -77 Franciscus Gasthuis Zuyderland Netherlands 645 2.78 -78 Franciscus Gasthuis Zuyderland Vinited States 738 2.77 -79 Denver Health United States 738 2.77 -81 South African Medical Research Council United Kingdom 11,802 2.76 -84 Konfolia Research Council United States 5,801 2.75 -78 Franciscus Gasthuis Zuyderland 5,801 2.75 -84 Health Gastes 5,801 2.75 -84 Fox Chase Cancer Center United States 5,801 2.75 -78 Franciscus Gasthuis Zuyderland 5,801 2.75 -84 Fox Chase Cancer Center United States 5,801 2.75	=54	National Cancer Research Institute, Milan	Italy	2,825	2.93
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-61 Nagasaki Institute of Applied Science Japan 726 2.89 -61 Cancer Research UK United Kingdom 3.512 2.89 -61 Qatar Computing Research Institute Qatar 793 2.89 -61 Mario Negri Institute for Pharmacological Research Italy 2.014 2.89 65 IFAE - Institute for High Energy Physics Spain 1,171 2.88 66 Niguarda Ca Granda Hospital Italy 619 2.87 67 Hamilton Health Sciences Canada 1,378 2.86 68 Carmel Medical Center Israel 600 2.28 69 Fred Hutchinson Cancer Research Center United States 6,424 2.84 70 Royal Marsden NHS Foundation Trust United Kingdom 1,415 2.83 71 Health Canada Canada 1,239 2.81 72 Food and Agriculture Organization of the United Nations Italy 822 2.80 72 National Institute of Chemical Physics and Biophysics, Tallinn Estonia 890 2.80 74 Astronomical Observatory of Padua Italy 1,490 2.79 74	59	Virginia Mason Medical Center	United States	1,014	2.91
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-61 Qatar Computing Research institute Qatar 793 2.89 -61 Mario Negri Institute for Pharmacological Research Italy 2.014 2.89 65 IFAE - Institute for High Energy Physics Spain 1,171 2.88 66 Niguarda Ca Granda Hospital Italy 619 2.87 67 Hamilton Health Sciences Canada 1,378 2.86 68 Carmel Medical Center Israel 600 2.85 69 Fred Hutchinson Cancer Research Center United States 6,424 2.84 70 Royal Marsden NHS Foundation Trust United Kingdom 1,415 2.83 71 Health Canada 1,239 2.81 72 Food and Agriculture Organization of the United Nations Italy 822 2.80 72 Vational Institute of Chemical Physics and Biophysics, Tallinn Estonia 890 2.80 74 Astronomical Observatory of Padua Italy 1,490 2.79 74 Christiana Care Health System United States 655 2.79 74 Christiana Care Health System United States 655 2.79 74 Christiana Care H	=61	Nagasaki Institute of Applied Science	Japan	726	2.89
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70 Royal Marsden NHS Foundation Trust United Kingdom 1,415 2.83 71 Health Canada 1,239 2.81 -72 Food and Agriculture Organization of the United Nations Italy 822 2.80 -72 National Institute of Chemical Physics and Biophysics, Tallinn Estonia 890 2.80 -74 Astronomical Observatory of Padua Italy 1,490 2.79 -74 Christiana Care Health System United States 896 2.79 -74 Translational Genomics Research Institute United States 655 2.79 -74 Tosservatorio Astronomico Roma Italy 1,171 2.79 -74 Osservatorio Astronomico Roma Italy 1,171 2.79 -75 Franciscus Gasthuis Zuyderland Netherlands 645 2.78 -79 Group Health Cooperative United States 1,382 2.77 -81 South African Medical Research Council United States 558 2.76 -82 Zucker Hilliside Hospital United States <td>68</td> <td>Carmel Medical Center</td> <td>Israel</td> <td>600</td> <td>2.85</td>	68	Carmel Medical Center	Israel	600	2.85
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-72Food and Agriculture Organization of the United NationsItaly8222.80-72National Institute of Chemical Physics and Biophysics, TallinnEstonia8902.80-74Astronomical Observatory of PaduaItaly1,4902.79-74Christiana Care Health SystemUnited States8962.79-74Translational Genomics Research InstituteUnited States6552.79-74Osservatorio Astronomico RomaItaly1,1712.7978Franciscus Gasthuis ZuyderlandNetherlands6452.78-79Group Health CooperativeUnited States1,3822.77-79Denver HealthUnited States7382.77-81South African Medical Research CouncilSouth Africa2,8072.76-81Zucker Hillside HospitalUnited States5582.76-81Medical Research CouncilUnited States5582.76-84World Health OrganizationSwitzerland5,8012.75-84Salk Institute for Biological StudiesUnited States1,4422.75-84Fox Chase Cancer CenterUnited States2,1852.75	70	Royal Marsden NHS Foundation Trust	United Kingdom	1,415	2.83
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Rank 2018	Institution	Country	Number of publications	Field-weighted citation impact
=87	Cedars-Sinai Medical Center	United States	5,567	2.72
89	Mayo Clinic Florida	United States	2,919	2.70
=90	Pasteur Institute, Lille	France	1,244	2.69
=90	Catania Astrophysical Observatory	Italy	601	2.69
92	Washington Hospital Center	United States	1,387	2.68
93	Institute of Oncology, Warsaw	Poland	1,729	2.67
94	Armenian Academy of Sciences – Yerevan Physics Institute	Armenia	1,710	2.66
95	Babraham Institute	United Kingdom	616	2.65
=96	Bill and Melinda Gates Foundation	United States	724	2.64
=96	St Luke Hospital, Kansas City	United States	751	2.64
=96	Royal Observatory	United Kingdom	991	2.64
=96	Swiss Federal Institute for Forest, Snow and Landscape Research (WSL)	Switzerland	2,065	2.64
100	Partners HealthCare	United States	755	2.62
101	Hopital Beaujon	France	1,383	2.61
102		Netherlands	581	2.60
103	FIRC Institute of Molecular Oncology	Italy	620	2.59
104	Primary Children's Medical Center	United States	1,592	2.58
105	Swedish Medical Center	United States	689	2.57
106	Institut d'Astrophysique de Paris	France	1,721	2.56
=107	Lawrence Berkeley National Laboratory	United States	16,633	2.55
=107	Warneford Hospital	United Kingdom	758	2.55
	CRG - Centre for Genomic Regulation	Spain	1,194	2.55
110	Giovanni Pascale National Institute for the Study and Treatment of Tumours	Italy	1,415	2.54
	Eurecom Institute	France	797	2.53
	German Centre for Cardiovascular Research (DZHK)	Germany	2,538	2.51
	Australian Institute of Marine Science	Australia	997	2.51
	Connecticut Agricultural Experiment Station	United States	567	2.50
	Met Office	United Kingdom	1,720	2.50
116	·	Germany	602	2.49
	La Jolla Institute for Allergy and Immunology	United States	751	2.47
=117	Addenbrooke's Hospital	United Kingdom	4,194	2.47
	National Institute of Public Health and the Environment	Netherlands	3,345	2.47
=117	Auckland City Hospital	New Zealand	1,438	2.47
	Telethon Foundation	Italy	678	2.46
=121	Walter and Eliza Hall Institute of Medical Research	Australia	940	2.46
123	Baker Heart Research Institute	Australia	1,890	2.45
	Catalan Institute of Oncology	Spain	1,809	2.44
=124	Jackson Laboratory	United States	871	2.44
126	Perimeter Institute for Theoretical Physics	Canada	1,991	2.43
=127	·	United States	3,889	2.42
=127	Health Protection Agency	United Kingdom	881	2.42
=127	European Space Astronomy Centre	Spain	1,029	2.42
=130	National Institutes of Health	United States	42,773	2.41

Rank 2018	Institution	Country	Number of publications	Field-weighted citation impact
=130 I	Danish Cancer Society	Denmark	1,403	2.41
=130 (Georges-Francois Leclerc Centre	France	2,108	2.41
=133 (Queensland Institute of Medical Research	Australia	2,574	2.40
=133 (German Institute of Human Nutrition	Germany	895	2.40
=133	Wistar Institute	United States	666	2.40
=136	IDIBAPS - August Pi i Sunyer Biomedical Research Institute	Spain	5,101	2.39
=136	The Francis Crick Institute	United Kingdom	1,953	2.39
=136 I	National Renewable Energy Laboratory	United States	3,687	2.39
=139 I	Roswell Park Cancer Institute	United States	2,736	2.38
=139	Fermi National Accelerator Laboratory	United States	3,605	2.38
=139	St Antonius Hospital	Netherlands	1,552	2.38
=142	European Centre for Medium-Range Weather Forecasts	United Kingdom	720	2.37
=142	Rijnstate Hospital	Netherlands	707	2.37
=144	Cordeliers Research Centre	France	964	2.36
=144	Centers for Disease Control and Prevention	United States	15,754	2.36
=146	Carnegie Institution of Washington	United States	3,359	2.34
=146	ICREA (Catalan Institute for Research and Advanced Studies)	Spain	7,552	2.34
=146	Singapore National Eye Center	Singapore	1,513	2.34
=146	National Center for Atmospheric Research	United States	3,854	2.34
=146	Woods Hole Oceanographic Institution	United States	3,414	2.34
	Other notable institutes:			
	Scripps Research Institute	United States	5,182	2.32
,	Weizmann Institute of Science	Israel	7,616	2.23
1	National Institute for Health and Welfare	Finland	3,554	2.21
1	Rutherford Appleton Laboratory	United Kingdom	5,204	2.12
Į.	Australian Research Council	Australia	2,217	2.11
	Max Planck Society	Germany	57,711	2.05
	Helmholtz Association	Germany	88,308	1.80
	National Institute for Health and Medical Research (INSERM)	France	59,842	1.74
	Tata Institute of Fundamental Research	India	5,101	1.67
	Leibniz Association	Germany	23,518	1.63
	CSIC (Spanish National Research Council)	Spain	56,268	1.57
	CNRS - National Centre for Scientific Research	France	195,653	1.40
	Fraunhofer Society	Germany	20,113	1.35
	Chinese Academy of Sciences	China	243,762	1.29

calculated using Elsevier's SciVal tool, between 2013 and 2017. Research organisa- are many medical research facilities in the ranking, this reflects their abundance, rather tions that produced fewer than 500 research papers during this period are excluded. than the fact that medical research is typically more highly cited than research in many Field-weighted citation impact is a normalised measure of citation impact where citations are normalised according to discipline, publication type (article, review, letter, indicate a citation impact that is double the world average. Institutes that are part of etc) and age of publication, such that papers are only compared against others of the a network, such as Max Planck Society institutes, have been grouped together.

Institutes and hospitals are ranked on the basis of their field-weighted citation impact, same type in the same field and in the same publication year. Hence, although there

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