
*Charakterystyka uczelni wybranych uczelni europejskich w ramach
inicjatywy Transform4Europe – T4E: The European University for
Knowledge Entrepreneurs*

analiza wybranych wskaźników bibliometrycznych wg bazy SciVal

Raport nr 2 przygotowany w ramach *Projektu Inicjatywa Doskonałości – Uczelnia Badawcza*

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Sekcja Obsługi Nauki

Biblioteka Uniwersytetu Śląskiego

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Wstęp

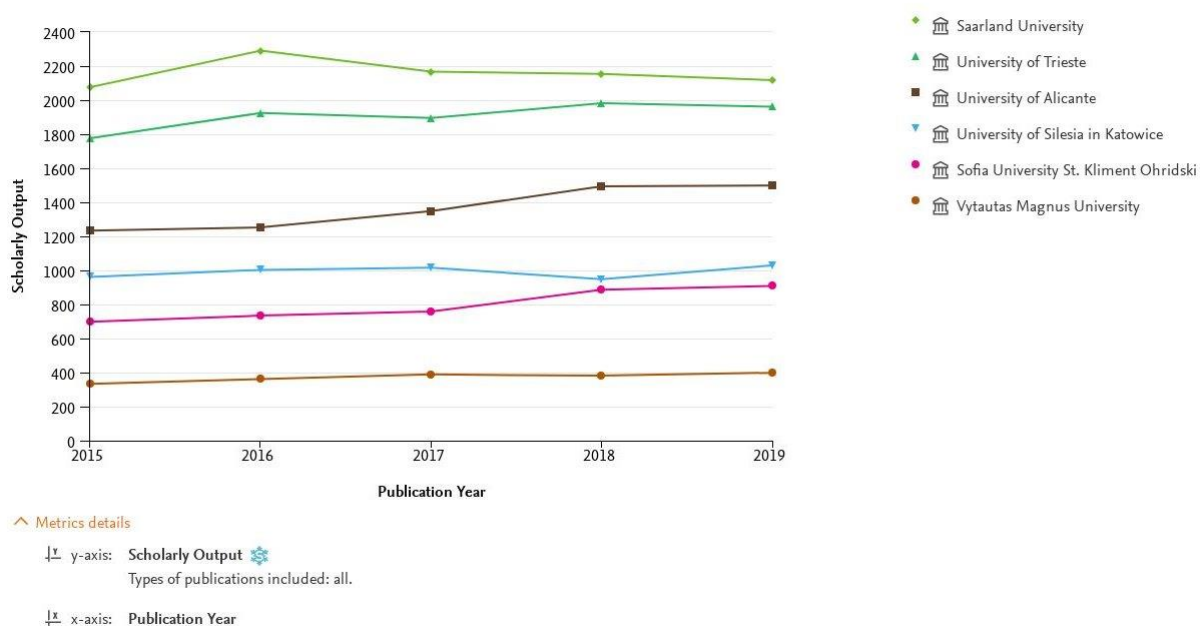
Celem analizy jest przygotowanie charakterystyki wybranych uczelni europejskich, współpracujących z Uniwersytetem Śląskim w Katowicach w ramach **Transform4Europe – T4E: The European University for Knowledge Entrepreneurs**. W opracowaniu uwzględniono następujące uczelnie: University of Silesia in Katowice, Saarland University, Sofia University St. Kliment Ohridski, University of Alicante, University of Trieste, Vytautas Magnus University.

Charakterystyka została przygotowana na podstawie danych zawartych w bazie SciVal (Scopus) i obejmuje dane za lata 2015–2019.

Analiza porównawcza na podstawie wybranych wskaźników

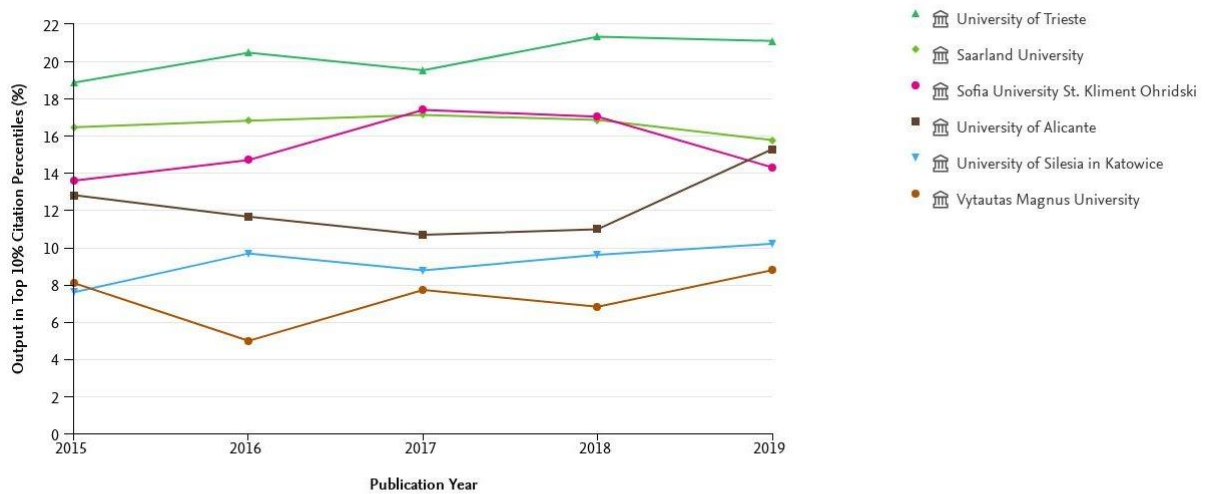
Poniższa analiza zawiera dane dotyczące Uniwersytetu Śląskiego w Katowicach oraz europejskich uczelni w ramach T4E.

1. Liczba publikacji indeksowanych w bazie Scopus w latach 2015–2019 (Scholarly output)



	Overall	2015	2016	2017	2018	2019
Saarland University	10808	2077	2291	2167	2155	2118
Sofia University St. Kliment Ohridski	3989	699	735	759	887	909
University of Alicante	6829	1234	1253	1349	1494	1499
University of Silesia in Katowice	4959	962	1003	1016	948	1030
University of Trieste	9542	1776	1925	1896	1983	1962
Vytautas Magnus University	1866	334	362	389	382	399

2. Odsetek publikacji w 10% najlepiej cytowanych (Output in Top 10% Citation Percentiles)



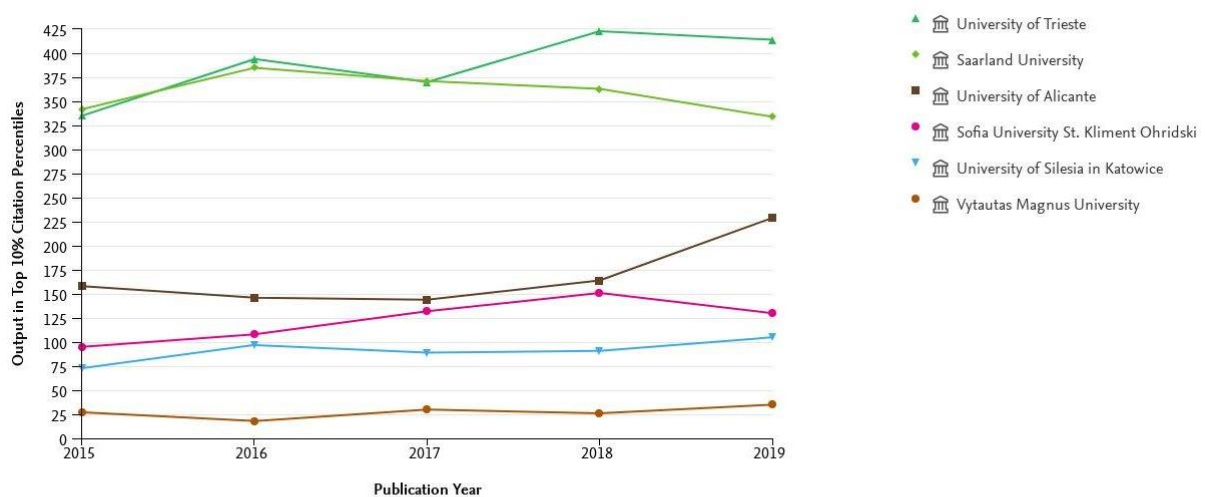
Metrics details

y-axis: Output in Top 10% Citation Percentiles (In top 10% of World, %)
Types of publications included: all. Self-citations included: yes. Field-weighted: no

x-axis: Publication Year

	Overall	2015	2016	2017	2018	2019
Saarland University	16,6	16,5	16,8	17,1	16,8	15,8
Sofia University St. Kliment Ohridski	15,4	13,6	14,7	17,4	17	14,3
University of Alicante	12,3	12,8	11,7	10,7	11	15,3
University of Silesia in Katowice	9,2	7,6	9,7	8,8	9,6	10,2
University of Trieste	20,3	18,9	20,5	19,5	21,3	21,1
Vytautas Magnus University	7,3	8,1	5	7,7	6,8	8,8

3. Liczba publikacji wśród 10% najlepiej cytowanych (Output in Top 10% Citation Percentiles).



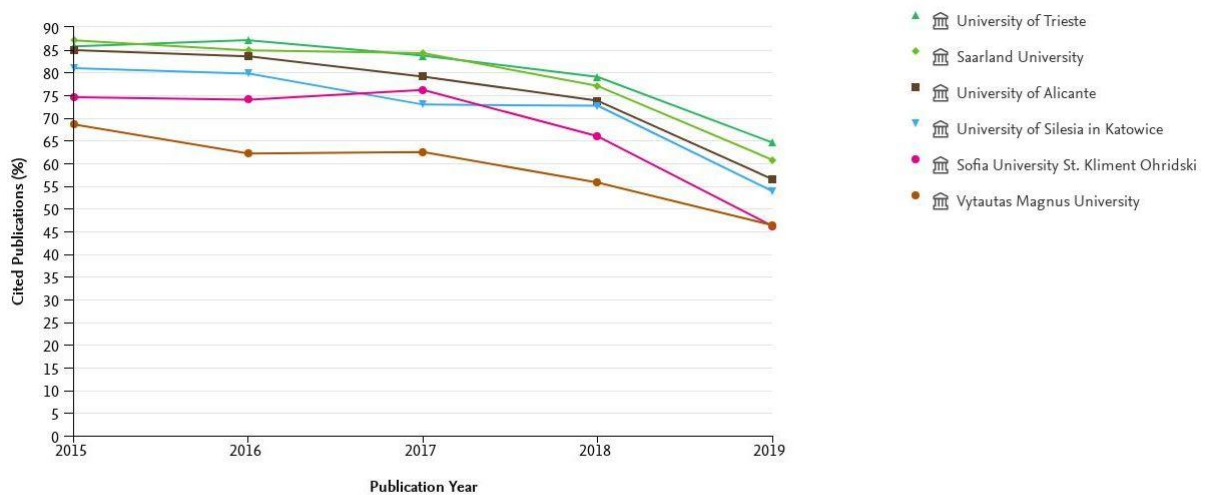
Metrics details

y-axis: Output in Top 10% Citation Percentiles (In top 10% of World)
Types of publications included: all. Self-citations included: yes. Field-weighted: no

x-axis: Publication Year

	Overall	2015	2016	2017	2018	2019
Saarland University	1795	342	385	371	363	334
Sofia University St. Kliment Ohridski	616	95	108	132	151	130
University of Alicante	841	158	146	144	164	229
University of Silesia in Katowice	455	73	97	89	91	105
University of Trieste	1936	335	394	370	423	414
Vytautas Magnus University	136	27	18	30	26	35

4. Odsetek cytowanych publikacji (Cited publications).



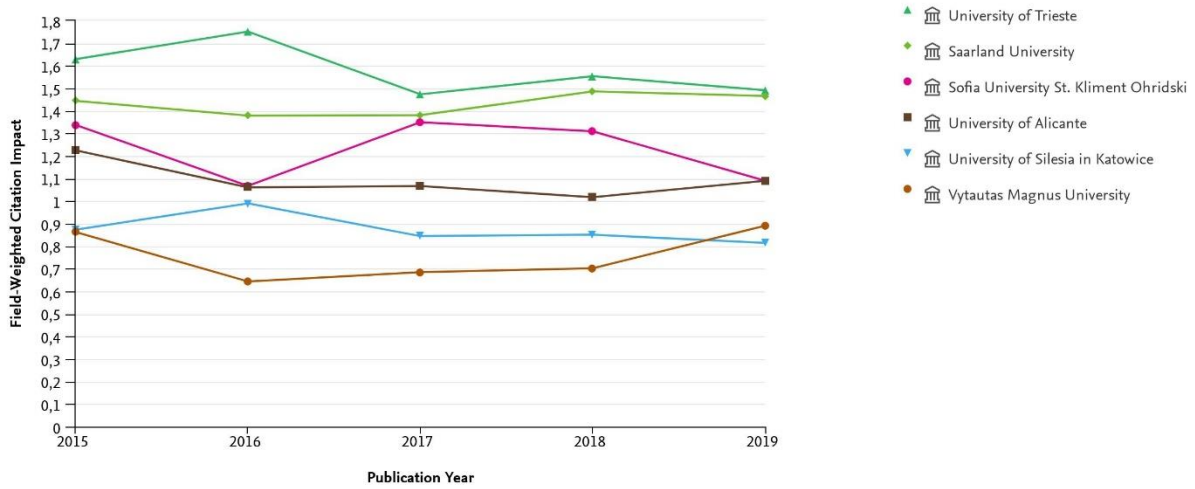
Metrics details

y-axis: Cited Publications (%)
Types of publications included: all. Self-citations included: yes.

x-axis: Publication Year

	Overall	2015	2016	2017	2018	2019
Saarland University	78,9	87,1	84,9	84,3	77	60,8
Sofia University St. Kliment Ohridski	66,4	74,5	74	76,2	66	46,2
University of Alicante	74,8	84,9	83,6	79,1	73,8	56,5
University of Silesia in Katowice	71,9	81	79,8	72,9	72,7	53,9
University of Trieste	79,9	85,8	87,1	83,7	79	64,6
Vytautas Magnus University	58,7	68,6	62,2	62,5	55,8	46,4

5. Field-Weighted Citation Impact



Metrics details

y-axis: **Field-Weighted Citation Impact**
Types of publications included: all. Self-citations included: yes.

x-axis: **Publication Year**

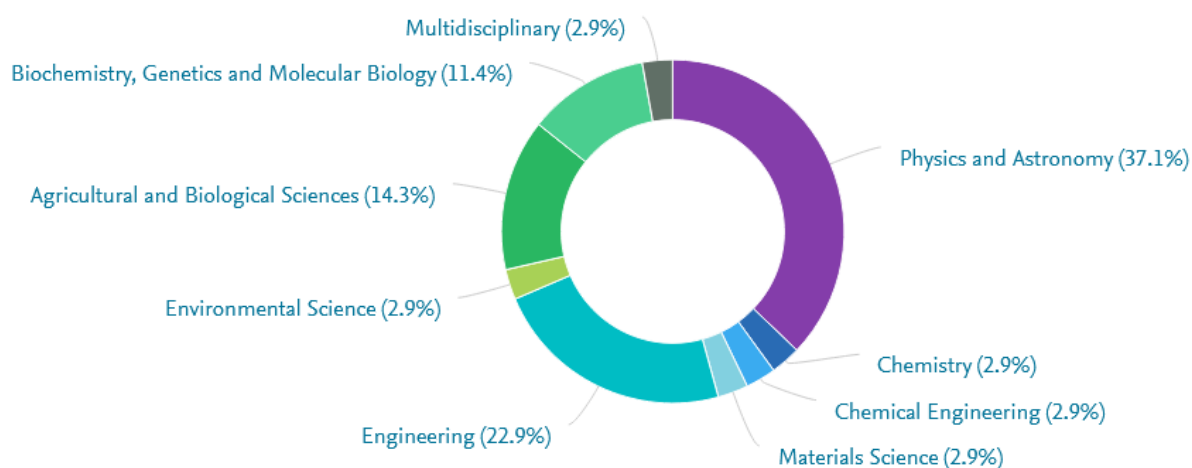
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	Overall	2015	2016	2017	2018	2019
Saarland University	1,43	1,44	1,38	1,38	1,49	1,47
Sofia University St. Kliment Ohridski	1,23	1,34	1,07	1,35	1,31	1,09
University of Alicante	1,09	1,23	1,06	1,07	1,02	1,09
University of Silesia in Katowice	0,87	0,87	0,99	0,85	0,85	0,82
University of Trieste	1,58	1,63	1,75	1,47	1,55	1,49
Vytautas Magnus University	0,76	0,86	0,64	0,69	0,7	0,89

6. Dotychczasowa współpraca między Uniwersytetem Śląskim w Katowicach oraz pozostałymi uczelniami T4E w latach 2015–2019.

Uczelnia	co-authored publications	co-authors with ...	Citation Count
Sofia University St. Kliment Ohridski	19	13	411
University of Trieste	1	1	38

Współpraca z Sofia University St. Kliment Ohridski w podziale na poszczególne dyscypliny:



Lista autorów z Uniwersytetu Śląskiego, którzy mają wspólne publikacje z autorami z Uniwersytetem w Sofii:

- Kaptur, Emil
- Kowalski, Seweryn
- Puławski, Szymon
- Schmidt, Katarzyna J.
- Łysakowski, Bartosz
- Grzeszczuk, A.
- Kisiel, Jan
- Wilczek, Andrzej
- Shelonzek, Henry
- Kompała-Bąba, Agnieszka
- Wójcik, K.
- Stach, Sebastian
- Ruman, Marek

Z pozostałymi uczelniami w ostatnich 5 latach Scopus nie odnotował współpracy.

Uniwersytet Śląski w Katowicach (University of Silesia in Katowice)

Strony internetowe: [Strona główna \(eng\)](#); [ResearchGate](#); [Google Scholar](#)

Dane ogólne:

Liczba publikacji (scholarly output) – 4 961

Field-Weighted Citation Impact¹ – 0,87

H5 Index – 42

Miejsce w rankingach:

801-1000 (QS)

1001+ (THE)

Dziedziny:

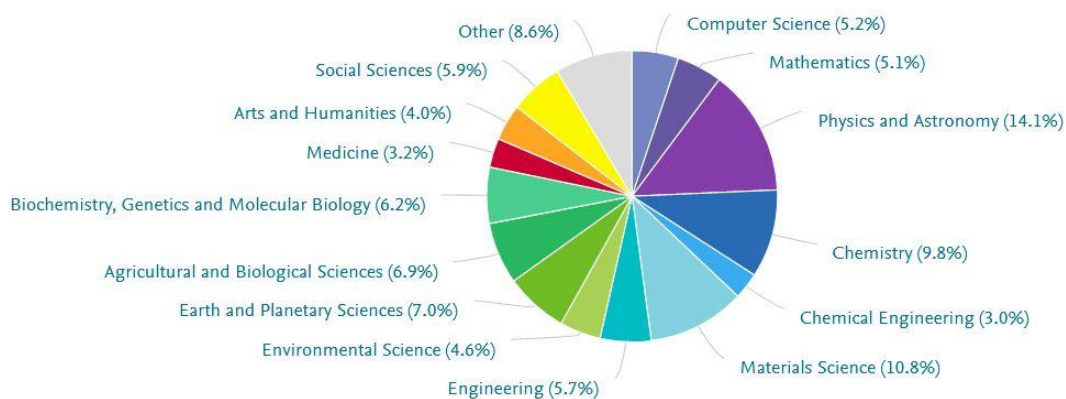


Tabela 1. Uprawiane na Uniwersytecie dziedziny² o wskaźniku Field-Weighted Citation Impact równym 1 lub więcej.

Dziedzina (Subject Area)	Dyscyplina (Subcategory)	Liczba publikacji	Liczba cytowań	Liczba autorów	Liczba cytowań na publikację	Field-weighted Citation Impact
Agricultural and Biological Sciences	-	600	4247	461	7,1	1,03

¹ FWCI - stosunek całkowitej liczby otrzymanych cytowań do łącznej liczby cytowań, jakich można by oczekiwać na podstawie średniej z dyscypliny. Jego wartość powyżej 1 oznacza, że średnia liczba cytowań jest większa niż średnia światowa. Jest to wskaźnik znormalizowany, pozwala na porównanie dyscyplin między sobą.

² Wzięto pod uwagę tylko te dyscypliny, w ramach których powstało co najmniej 10 publikacji.

Agricultural and Biological Sciences	Plant Science	206	2082	212	10,1	1,33
Agricultural and Biological Sciences	Agronomy and Crop Science	39	281	75	7,2	1,11
Agricultural and Biological Sciences	Soil Science	32	261	42	8,2	1,07
Agricultural and Biological Sciences	Aquatic Science	29	190	45	6,6	1,11
Agricultural and Biological Sciences	Food Science	20	164	25	8,2	1,05
Agricultural and Biological Sciences	Forestry	17	153	23	9	1,28
Arts and Humanities	Arts and Humanities (miscellaneous)	12	70	16	5,8	1,06
Biochemistry, Genetics and Molecular Biology	-	543	7537	536	13,9	1,2
Biochemistry, Genetics and Molecular Biology	General Biochemistry, Genetics and Molecular Biology	110	1404	185	12,8	1,34
Biochemistry, Genetics and Molecular Biology	Cell Biology	90	3382	113	37,6	1,72
Biochemistry, Genetics and Molecular Biology	Molecular Biology	79	3023	144	38,3	1,76
Biochemistry, Genetics and Molecular Biology	Genetics	58	569	92	9,8	1,2
Biochemistry, Genetics and Molecular Biology	Molecular Medicine	54	475	74	8,8	1,27
Biochemistry, Genetics and Molecular Biology	Physiology	45	464	80	10,3	1,37
Chemistry	-	854	7867	527	9,2	1,03
Chemistry	Physical and Theoretical Chemistry	300	2442	289	8,1	1,08
Chemistry	Organic Chemistry	176	1296	204	7,4	1
Chemistry	Inorganic Chemistry	156	1340	181	8,6	1,08
Chemistry	Electrochemistry	21	280	31	13,3	1,15
Computer Science	Artificial Intelligence	82	533	39	6,5	1,32
Computer Science	Software	42	722	37	17,2	1,6
Decision Sciences	-	53	291	42	5,5	1,05
Decision Sciences	Information Systems and Management	20	198	20	9,9	1,61
Earth and Planetary Sciences	-	613	4040	313	6,6	1,01
Earth and Planetary Sciences	General Earth and Planetary Sciences	113	555	105	4,9	1,32
Earth and Planetary Sciences	Earth-Surface Processes	83	1007	84	12,1	1,55
Earth and Planetary Sciences	Stratigraphy	59	699	40	11,8	1,16
Earth and Planetary Sciences	Economic Geology	46	615	34	13,4	1,27
Earth and Planetary Sciences	Oceanography	36	404	42	11,2	1,37
Earth and Planetary Sciences	Space and Planetary Science	33	485	23	14,7	1,42
Earth and Planetary Sciences	Earth and Planetary Sciences (miscellaneous)	31	267	42	8,6	1,33
Economics, Econometrics and Finance	General Economics, Econometrics and Finance	10	14	13	1,4	1,18
Energy	Fuel Technology	42	518	44	12,3	1,24
Energy	General Energy	31	264	55	8,5	1,03
Engineering	General Engineering	69	278	99	4	1,21
Engineering	Engineering (miscellaneous)	20	323	27	16,1	2,28
Environmental Science	Health, Toxicology and Mutagenesis	79	791	117	10	1,04
Environmental Science	General Environmental Science	77	608	133	7,9	1,06
Environmental Science	Ecology	69	437	69	6,3	1,03
Environmental Science	Environmental Engineering	63	771	119	12,2	1,05
Environmental Science	Water Science and Technology	54	454	70	8,4	1,07
Environmental Science	Ecological Modeling	11	162	20	14,7	1,05
Immunology and Microbiology	Applied Microbiology and Biotechnology	13	191	17	14,7	1
Mathematics	Statistics and Probability	34	312	46	9,2	1,33
Mathematics	Mathematical Physics	14	81	19	5,8	1,03

Medicine	Pathology and Forensic Medicine	24	152	28	6,3	1,13
Medicine	Microbiology (medical)	17	181	19	10,6	1,09
Medicine	Cardiology and Cardiovascular Medicine	15	142	23	9,5	1,23
Medicine	Biochemistry (medical)	10	82	17	8,2	1,22
Neuroscience	-	35	355	61	10,1	1
Neuroscience	Cognitive Neuroscience	11	82	15	7,5	1,43
Pharmacology, Toxicology and Pharmaceutics	-	145	1314	156	9,1	1,27
Pharmacology, Toxicology and Pharmaceutics	Pharmaceutical Science	80	780	96	9,8	1,4
Pharmacology, Toxicology and Pharmaceutics	Drug Discovery	68	688	91	10,1	1,41
Pharmacology, Toxicology and Pharmaceutics	Toxicology	32	275	45	8,6	1,07
Pharmacology, Toxicology and Pharmaceutics	Pharmacology	21	160	36	7,6	1,09
Physics and Astronomy	General Physics and Astronomy	430	2785	327	6,5	1,11
Physics and Astronomy	Physics and Astronomy (miscellaneous)	72	1076	64	14,9	1,79
Physics and Astronomy	Nuclear and High Energy Physics	68	856	48	12,6	1,21
Physics and Astronomy	Astronomy and Astrophysics	38	565	16	14,9	1,48
Physics and Astronomy	Statistical and Nonlinear Physics	33	358	45	10,8	1,57
Physics and Astronomy	Surfaces and Interfaces	28	280	37	10	1,01
Social Sciences	Urban Studies	43	193	46	4,5	1,16
Social Sciences	Law	17	108	23	6,4	1,04

Tabela 2. Podejmowana tematyka badawcza (topic cluster)³.

Temat	ID	Liczba publikacji	FWCI	Wskaźnik prominenacji ⁴
Decay; Quarks; Neutrinos	TC.6	148	1,98	98,26
Glass Transition; Molecular Dynamics; Chains	TC.761	122	1,04	59,705
Arabidopsis; Plants; Genes	TC.11	103	1,63	98,661
Cambrian; Cretaceous; Ordovician	TC.44	74	1,05	76,707
Glaciers; Holocene; Glacial Geology	TC.103	71	1,2	90,83
Ligands; Crystal Structure; Organometallics	TC.71	42	1,26	99,197
Decision Making; Fuzzy Sets; Models	TC.211	42	1,95	93,307
Quantum Optics; Quantum Computers; Quantum Theory	TC.57	41	1,14	95,917
Heavy Metals; Soils; Cadmium	TC.214	40	1,2	91,968
Pharmaceutical Preparations; Nanoparticles; Tablets	TC.82	36	2,4	96,72
Ionic Liquids; Eutectics; Negative Ions	TC.847	36	1,03	88,956
Tree Ring; Trees; Growth Rings	TC.370	34	1,58	84,873
Poland; Landscape; Slovakia	TC.1057	33	1,2	23,293
Bioremediation; Biodegradation; Soils	TC.280	30	1,02	82,129
Atoms; Bose-Einstein Condensates; Gases	TC.332	27	1,24	76,439
Landslides; Debris Flow; Slope Stability	TC.553	27	1,32	77,309
Optimization; Algorithms; Evolutionary Algorithms	TC.259	27	1,49	86,278
Silicides; Germanium; Silicon	TC.1269	27	1,26	12,115

³ Wybrano tematy mające co najmniej 10 publikacji oraz FWCI równy lub większy niż 1.

⁴ Prominenacja jest wskaźnikiem, który pokazuje bieżącą dynamikę tematu w wyniku porównania cytowań, czytelności publikacji oraz wartości CiteScore czasopisma. Wskazuje tematy, które są aktualnie podejmowane w światowej nauce, pomaga badaczom i kierownikom badań zidentyfikować tematy, które mogą być dobrze finansowane.

Ozonization; Degradation; Wastewater Treatment	TC.206	25	1,26	99,063
Photocatalysis; Photocatalysts; Solar Cells	TC.8	22	1,07	99,933
Gravitation; Black Holes (Astronomy); Models	TC.15	22	2,19	95,85
Galaxies; Stars; Planets	TC.1	22	1,22	99,331
Climate Models; Model; Rainfall	TC.5	21	1,07	98,996
Inductively Coupled Plasma Mass Spectrometry; Atomic Absorption Spectrometry; Inductively Coupled Plasma	TC.274	19	2,04	69,746
Hydroxyapatite; Calcium Phosphate; Scaffolds	TC.247	18	1,2	92,57
Circuit Resonance; Magnetic Resonance; Stochastic Systems	TC.1125	17	1,31	32,999
Wheat; Triticum; Triticum Aestivum	TC.617	16	1,01	59,237
Naphthoquinones; Plants; Apoptosis	TC.1291	15	1	33,467
Dinosaur; Cretaceous; Fossils	TC.375	14	1,09	57,363
Forests; Landscapes; Plants	TC.151	13	1,13	96,051
Students; Teaching; Education; E-Learning	TC.200	13	1,06	89,893
Rivers; Scour; Sediment Transport	TC.468	12	2,69	68,139
Magnetron Sputtering; Nitriding; Coatings	TC.369	12	1,13	71,218
Microbial Fuel Cells; Anaerobic Digestion; Bioreactors	TC.65	12	1,24	98,929
Imines; Crystal Structure; Metal Complexes	TC.359	11	1,11	66,667
Water; Water Resources; Water Management	TC.527	11	1,26	81,392
Traffic Control; Transportation; Models	TC.107	11	1,37	96,787
Iron; Anemia; Erythropoietin	TC.238	11	1,59	79,585
Percutaneous Coronary Intervention; Patients; Myocardial Infarction	TC.53	11	1,45	91,232
Fossils; Cretaceous; Basin	TC.486	11	2,29	35,274
Memristors; MOSFET Devices; Data Storage Equipment	TC.131	10	1,08	90,897
Superconductivity; Thermoelectricity; Chalcogenides	TC.1115	10	1,02	36,412
Plants; Rhizosphere; Rhizobium	TC.488	10	1,25	81,794

Tabela 3. Wykaz dyscyplin, w ramach których powstały najczęściej cytowane publikacje (Outputs in Top Citation Percentiles)⁵.

Liczba publikacji z lat 2015–2019 w top 10% - 476

Nazwa dyscypliny	Liczba publikacji	Nazwa dyscypliny	Liczba publikacji
Agricultural and Biological Sciences (miscellaneous)	1	Geology	16
Agronomy and Crop Science	6	Geometry and Topology	1
Algebra and Number Theory	1	Geophysics	4
Analysis	1	Global and Planetary Change	1
Analytical Chemistry	27	Hardware and Architecture	1
Anesthesiology and Pain Medicine	1	Health Informatics	1
Animal Science and Zoology	1	Health, Toxicology and Mutagenesis	17
Applied Mathematics	5	Histology	1
Applied Microbiology and Biotechnology	3	Immunology	2
Aquatic Science	2	Immunology and Allergy	1
Artificial Intelligence	13	Industrial and Manufacturing Engineering	4
Arts and Humanities (miscellaneous)	1	Information Systems and Management	4
Arts and Humanities (miscellaneous)	1	Inorganic Chemistry	36
Astronomy and Astrophysics	17	Instrumentation	6
Atmospheric Science	2	Language and	1
Atomic and Molecular Physics, and Optics	14	Law	2
Biochemistry	18	Linguistics and Language	1
Biochemistry (medical)	1	Management Information Systems	2

⁵ Szczegółowy wykaz publikacji z top 10% znajduje się w dodatkowym pliku pt: University of Silesia_top10.xlsx

Bioengineering	1	Management Science and Operations Research	1
Biomaterials	2	Management, Monitoring, Policy and Law	6
Biomedical Engineering	1	Materials Chemistry	34
Biophysics	1	Mechanical Engineering	10
Biophysics	5	Mechanics of Materials	11
Biotechnology	6	Medical Laboratory Technology	1
Building and Construction	1	Metals and Alloys	6
Business and International Management	1	Microbiology	9
Cancer Research	1	Modeling and Simulation	4
Cardiology and Cardiovascular Medicine	3	Molecular Biology	7
Catalysis	7	Molecular Medicine	10
Cell Biology	8	Multidisciplinary	17
Ceramics and Composites	4	Nephrology	1
Chemistry (miscellaneous)	1	Neurology	1
Civil and Structural Engineering	3	Neurology (clinical)	1
Cognitive Neuroscience	2	Nuclear and High Energy Physics	15
Colloid and Surface Chemistry	1	Nuclear Energy and Engineering	1
Computational Mathematics	1	Numerical Analysis	2
Computer Networks and Communications	1	Oceanography	4
Computer Science Applications	11	Oncology	2
Computer Vision and Pattern Recognition	1	Ophthalmology	1
Condensed Matter Physics	37	Optical and Magnetic Materials	1
Control and Optimization	1	Organic Chemistry	26
Control and Systems Engineering	2	Paleontology	2
Cultural Studies	1	Pathology and Forensic Medicine	1
Drug Discovery	18	Pediatrics, Perinatology and Child Health	1
Earth and Planetary Sciences (miscellaneous)	4	Pharmaceutical Science	20
Earth-Surface Processes	12	Pharmacology	4
Ecological Modeling	2	Pharmacology (medical)	1
Ecology	6	Physical and Theoretical Chemistry	44
Ecology, Evolution, Behavior and Systematics	8	Physics and Astronomy (miscellaneous)	20
Economic Geology	8	Physiology	10
Economics and Econometrics	1	Physiology (medical)	2
Electrical and Electronic Engineering	7	Plant Science	41
Electrochemistry	6	Pollution	22
Electronic, Optical and Magnetic Materials	20	Polymers and Plastics	10
Energy Engineering and Power Technology	2	Process Chemistry and Technology	6
Engineering (miscellaneous)	6	Public Health, Environmental and Occupational Health	2
Environmental Chemistry	20	Radiology, Nuclear Medicine and Imaging	1
Environmental Engineering	18	Renewable Energy, Sustainability and the Environment	7
Food Science	4	Rheumatology	1
Forestry	1	Signal Processing	1
Fuel Technology	8	Social Psychology	1
General Agricultural and Biological Sciences	7	Social Sciences (miscellaneous)	1
General Biochemistry, Genetics and Molecular Biology	15	Sociology and Political Science	1
General Business, Management and Accounting	1	Software	11
General Chemical Engineering	18	Soil Science	3
General Chemistry	46	Space and Planetary Science	13
General Computer Science	6	Spectroscopy	16
General Earth and Planetary Sciences	8	Statistical and Nonlinear Physics	3
General Energy	9	Statistics and Probability	3
General Engineering	4	Strategy and Management	1

General Environmental Science	7	Stratigraphy	8
General Immunology and Microbiology	2	Surfaces and Interfaces	7
General Materials Science	32	Surfaces, Coatings and Films	21
General Medicine	1	Surgery	1
General Neuroscience	2	Theoretical Computer Science	6
General Physics and Astronomy	38	Toxicology	5
General Psychology	1	Transportation	2
Genetics	11	Urban Studies	1
Geochemistry and Petrology	8	Waste Management and Disposal	11
Geography, Planning and Development	1	Water Science and Technology	7

Tabela 4. Współpraca krajowa z 20 polskimi instytucjami

Nazwa instytucji	Liczba wspólnych publikacji	Liczba cytowań
Polish Academy of Sciences	604	7957
Jagiellonian University in Kraków	269	2444
Medical University of Silesia in Katowice	248	4168
Silesian University of Technology	230	1827
University of Warsaw	193	2619
University of Wrocław	127	1651
AGH University of Science and Technology	123	746
The Henryk Niewodniczanski Institute of Nuclear Physics of the Polish Academy of Sciences	120	1714
Warsaw University of Technology	86	1553
Center of Polymer and Carbon Materials of the Polish Academy of Sciences	80	560
Adam Mickiewicz University in Poznań	78	3302
National Centre for Nuclear Research	68	1424
Pedagogical University of Cracow	65	378
Nicolaus Copernicus University in Toruń	58	579
Wrocław University of Science and Technology	56	739
Institute of Geological Sciences of the Polish Academy of Sciences	45	299
Polish Academy of Sciences Wrocław Branch	45	327
University of Agriculture in Krakow	45	345
Włodzimierz Trzebiatowski Institute of Low Temperature and Structure Research of the Polish Academy	44	361
Jagiellonian University Medical College	37	249

Tabela 5. Współpraca zagraniczna z 20 instytucjami

Nazwa instytucji	Kraj	Liczba wspólnych publikacji	Liczba cytowań
CNRS	France	102	5782
University of Bern	Switzerland	86	4975
National Institute for Nuclear Physics	Italy	75	1577
Russian Academy of Sciences	Russian Federation	65	3708
Czech Academy of Sciences	Czech Republic	62	3800

Joint Institute for Nuclear Research	Russian Federation	62	1746
University of Geneva	Switzerland	62	4420
CSIC	Spain	57	4414
RWTH Aachen University	Germany	57	4247
Sorbonne Université	France	55	4426
University of Rome La Sapienza	Italy	53	5153
Université Paris-Saclay	France	52	4199
University of Valencia	Spain	50	4220
University of Naples Federico II	Italy	46	3798
Institut national de physique nucléaire et de physique des particules	France	45	1554
Moscow Engineering Physics Institute	Russian Federation	45	1723
National Research Council of Italy	Italy	45	3450
University of Padova	Italy	45	4142
University of Oxford	United Kingdom	44	4263
Jülich Research Centre	Germany	43	3043

Universität des Saarlandes (University of Saarland)

Strony internetowe: [Strona główna \(eng\)](#); [ResearchGate](#); [Google Scholar](#)

Dane ogólne:

Liczba publikacji (scholarly output) – 10 808

Field-Weighted Citation Impact – 1,43

H5 Index – 84

Miejsce w rankingach:

468th (QS)

501-600 (ARWU)

Dziedziny:

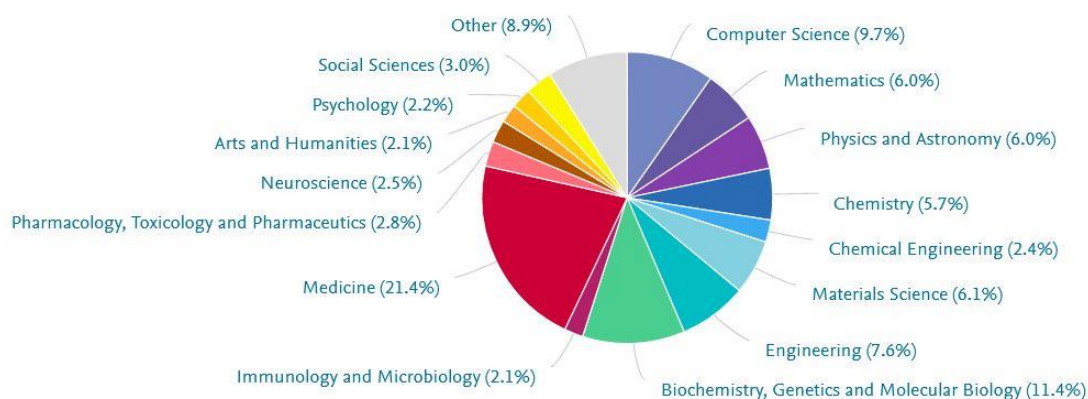


Tabela 6. Uprawiane na Uniwersytecie dyscypliny o wskaźniku Field-Weighted Citation Impact równym 1 lub więcej.

Dziedzina (Subject Area)	Dyscyplina (Subcategory)	Liczba publikacji ⁶	Liczba cytowań	Liczba autorów	Liczba cytowań na publikację	Field-weighted Citation Impact
Agricultural and Biological Sciences	-	272	2289	443	8,4	1,13
Arts and Humanities	Language and Linguistics	232	804	164	3,5	1,13
Arts and Humanities	-	384	1589	292	4,1	1,06
Biochem., Genetics and Molecular Biol.	Cell Biology	348	7023	614	20,2	2
Biochem., Genetics and Molecular Biol.	Genetics	214	4426	382	20,7	1,82
Biochem., Genetics and Molecular Biol.	Cancer Research	210	4114	293	19,6	1,74

⁶ Wybrano dyscypliny z liczbą publikacji 100 i więcej.

Biochem., Genetics and Molecular Biol.	Biotechnology	227	4374	357	19,3	1,71
Biochem., Genetics and Molecular Biol.	-	2116	31711	1954	15	1,48
Biochem., Genetics and Molecular Biol.	General Biochemistry, Genetics and Molecular Biology	373	4408	620	11,8	1,42
Biochem., Genetics and Molecular Biol.	Molecular Medicine	244	3426	405	14	1,35
Biochem., Genetics and Molecular Biol.	Biochemistry	515	6373	764	12,4	1,26
Biochem., Genetics and Molecular Biol.	Molecular Biology	512	6725	783	13,1	1,23
Biochem., Genetics and Molecular Biol.	Physiology	186	2503	312	13,5	1,2
Biochem., Genetics and Molecular Biol.	Endocrinology	100	1252	166	12,5	1,15
Biochem., Genetics and Molecular Biol.	Biophysics	108	1134	221	10,5	1,06
Biochem., Genetics and Molecular Biol.	Clinical Biochemistry	119	1206	247	10,1	1,01
Business, Management and Accounting	-	181	1127	146	6,2	1,47
Chemical Engineering	Bioengineering	152	3514	243	23,1	1,91
Chemical Engineering	-	456	7050	617	15,5	1,34
Chemical Engineering	General Chemical Engineering	117	1394	178	11,9	1,19
Chemistry	General Chemistry	381	5919	506	15,5	1,39
Chemistry	Analytical Chemistry	152	1856	200	12,2	1,18
Chemistry	-	1064	12289	1012	11,5	1,14
Chemistry	Spectroscopy	122	1233	212	10,1	1,03
Computer Science	Computer Networks and Communications	236	2106	231	8,9	2,39
Computer Science	Computer Graphics and Computer-Aided Design	111	1277	107	11,5	2,33
Computer Science	Information Systems	172	1441	199	8,4	2,04
Computer Science	Software	546	4707	409	8,6	1,82
Computer Science	Human-Computer Interaction	168	1186	180	7,1	1,57
Computer Science	-	1809	11853	1120	6,6	1,55
Computer Science	General Computer Science	465	2271	359	4,9	1,47
Computer Science	Signal Processing	128	1048	146	8,2	1,39
Computer Science	Computer Vision and Pattern Recognition	110	1137	127	10,3	1,37
Computer Science	Computer Science Applications	439	2253	506	5,1	1,29
Computer Science	Artificial Intelligence	193	953	181	4,9	1,18
Computer Science	Computational Theory and Mathematics	134	859	187	6,4	1,12
Decision Sciences	-	113	544	126	4,8	1,27
Energy	-	151	2414	140	16	1,73
Engineering	General Engineering	164	1112	213	6,8	1,86
Engineering	-	1415	11001	1101	7,8	1,44
Engineering	Control and Systems Engineering	184	875	175	4,8	1,4
Engineering	Industrial and Manufacturing Engineering	112	361	125	3,2	1,33
Engineering	Electrical and Electronic Engineering	440	2749	370	6,2	1,21
Engineering	Biomedical Engineering	178	2651	300	14,9	1,21
Engineering	Mechanical Engineering	274	2020	282	7,4	1,16
Engineering	Mechanics of Materials	289	2416	296	8,4	1,06
Environmental Science	-	130	1618	202	12,4	1,26
Health Professions	Physical Therapy, Sports Therapy and Rehabilitation	126	1433	93	11,4	1,95
Health Professions	-	197	1862	202	9,5	1,59
Immunology and Microbiology	Immunology	140	2214	287	15,8	1,66
Immunology and Microbiology	-	392	5829	596	14,9	1,56
Materials Science	General Materials Science	450	5143	444	11,4	1,34
Materials Science	-	1133	10429	849	9,2	1,17
Materials Science	Metals and Alloys	131	1363	157	10,4	1,16

Materials Science	Materials Chemistry	193	1865	251	9,7	1,15
Materials Science	Surfaces, Coatings and Films	198	1858	206	9,4	1,06
Materials Science	Electronic, Optical and Magnetic Materials	372	2403	354	6,5	1,01
Mathematics	Theoretical Computer Science	423	1895	295	4,5	1,35
Mathematics	-	1126	4648	780	4,1	1,2
Mathematics	Modeling and Simulation	205	846	214	4,1	1,15
Mathematics	Applied Mathematics	220	841	219	3,8	1,04
Medicine	General Medicine	305	4488	371	14,7	4,04
Medicine	Cardiology and Cardiovascular Medicine	497	10197	330	20,5	2,39
Medicine	Hematology	169	2736	145	16,2	1,97
Medicine	Physiology (medical)	131	2038	197	15,6	1,7
Medicine	Oncology	325	5795	362	17,8	1,67
Medicine	-	3993	45045	2258	11,3	1,63
Medicine	Pulmonary and Respiratory Medicine	162	1840	170	11,4	1,56
Medicine	Orthopedics and Sports Medicine	257	2499	188	9,7	1,49
Medicine	Pharmacology (medical)	117	1146	164	9,8	1,49
Medicine	Urology	126	1187	95	9,4	1,48
Medicine	Hepatology	112	1359	70	12,1	1,48
Medicine	Infectious Diseases	116	1274	175	11	1,36
Medicine	Neurology (clinical)	331	3437	307	10,4	1,33
Medicine	Immunology and Allergy	116	1416	229	12,2	1,28
Medicine	Psychiatry and Mental Health	140	1177	165	8,4	1,16
Medicine	Gastroenterology	163	1034	68	6,3	1,11
Medicine	Surgery	361	2588	367	7,2	1,09
Medicine	Pathology and Forensic Medicine	103	804	161	7,8	1,08
Medicine	Pediatrics, Perinatology and Child Health	178	1065	140	6	1,07
Medicine	Ophthalmology	163	840	116	5,2	1,01
Multidisciplinary	-	290	4279	569	14,8	1,29
Multidisciplinary	Multidisciplinary	290	4279	569	14,8	1,29
Neuroscience	Cellular and Molecular Neuroscience	100	1076	238	10,8	1,33
Neuroscience	-	467	4887	604	10,5	1,21
Neuroscience	Neurology	122	1268	196	10,4	1,17
Neuroscience	General Neuroscience	134	1327	238	9,9	1,15
Pharmacology, Toxicology and Pharmaceutics	Pharmaceutical Science	205	2060	290	10	1,31
Pharmacology, Toxicology and Pharmaceutics	-	516	4972	604	9,6	1,26
Pharmacology, Toxicology and Pharmaceutics	Pharmacology	211	2054	332	9,7	1,17
Pharmacology, Toxicology and Pharmaceutics	Drug Discovery	185	1620	255	8,8	1,11
Physics and Astronomy	General Physics and Astronomy	286	3473	385	12,1	1,7
Physics and Astronomy	-	1117	9723	889	8,7	1,17
Physics and Astronomy	Atomic and Molecular Physics, and Optics	188	1553	231	8,3	1,07
Physics and Astronomy	Instrumentation	122	813	177	6,7	1,05
Physics and Astronomy	Surfaces and Interfaces	128	1347	166	10,5	1,04
Psychology	Developmental and Educational Psychology	103	937	109	9,1	1,33
Psychology	-	414	3331	313	8	1,16
Psychology	Experimental and Cognitive Psychology	119	946	103	7,9	1,01
Social Sciences	Linguistics and Language	208	755	163	3,6	1,21

Social Sciences	-	560	2148	458	3,8	1,05
Social Sciences	Education	138	634	166	4,6	1,03

Tabela 7. Podejmowana tematyka badawcza (topic cluster)⁷.

Temat	ID	Liczba publikacji	FWCI	Wskaźnik prominencji
Cholesterol; Lipids; Atherosclerosis	TC.79	58	4,84	92,035
Chemical Sensors; Gas Detectors; Volatile Organic Compounds	TC.1062	29	4,19	73,226
Genome; Neoplasms; Genes	TC.436	42	4,07	94,913
Computer Crime; Network Security; Intrusion Detection	TC.218	85	3,82	94,444
Urinary Bladder Neoplasms; Cystectomy; Carcinoma	TC.417	21	3,68	64,123
Acute Myeloid Leukemia; Patients; Precursor Cell Lymphoblastic Leukemia-Lymphoma	TC.134	24	3,42	89,625
Lymphoma; Diffuse Large B-Cell Lymphoma; Patients	TC.62	70	3,35	89,558
Hypertension; Blood Pressure; Patients	TC.157	124	3,26	83,735
MicroRNAs; Long Untranslated RNA; Neoplasms	TC.219	119	3,26	99,465
Heart Failure; Patients; Brain Natriuretic Peptide	TC.300	72	3,23	81,727
Glioma; Neoplasms; Glioblastoma	TC.222	43	2,93	85,341
Metagenome; Probiotics; Bacteria	TC.215	21	2,83	98,728
Software Engineering; Models; Software Design	TC.49	52	2,79	91,901
Design; Human Computer Interaction; Augmented Reality	TC.231	44	2,79	88,353
Industry; Innovation; Entrepreneurship	TC.24	24	2,52	98,795
Speech; Speech Recognition; Models	TC.156	53	2,35	88,42
Secondary Batteries; Electric Batteries; Lithium Alloys	TC.30	109	2,3	100
Oral Health; Periodontitis; Dental Caries	TC.125	26	2,29	83,199
Algorithms; Computer Vision; Models	TC.0	109	2,24	99,799
Hepacivirus; Hepatitis B Virus; Hepatitis C	TC.58	24	2,24	92,102
T-Lymphocytes; Neoplasms; Immunotherapy	TC.12	73	2,21	99,665
Morals; Research; Behavior	TC.267	30	2,21	87,818
Industry; Web Services; Models	TC.327	29	2,13	73,293
Cryptography; Authentication; Data Privacy	TC.84	63	2,05	97,256
Design; Product Design; Product Development	TC.263	28	2,03	72,825
Mitochondria; Mitochondrial DNA; Mutation	TC.320	37	2	84,672
Exercise; Athletes; Muscles	TC.100	85	1,9	92,436
Verification; Model Checking; Semantics	TC.96	231	1,87	71,151
Students; Teaching; Education; E-Learning	TC.200	42	1,83	89,893
Cells; Neoplasms; Hydrogels	TC.166	48	1,82	96,854
Sleep; Obstructive Sleep Apnea; Sleep Apnea Syndromes	TC.78	43	1,79	95,047
Parkinson Disease; Deep Brain Stimulation; Patients	TC.102	32	1,79	95,181
Tuberculosis; Mycobacterium Tuberculosis; Multidrug-Resistant Tuberculosis	TC.72	21	1,76	90,562
Foams; Energy Absorption; Crashworthiness	TC.803	29	1,75	79,987
Kisspeptins; Gonadotropin-Releasing Hormone; Estradiol	TC.379	24	1,74	51,807
Percutaneous Coronary Intervention; Patients; Myocardial Infarction	TC.53	34	1,73	91,232
Cannabinoids; Cannabis; Endocannabinoids	TC.318	70	1,69	87,751
Renal Cell Carcinoma; Nephrectomy; Neoplasms	TC.341	51	1,69	69,813
Aortic Valve; Mitral Valve; Aortic Valve Stenosis	TC.243	51	1,68	86,212
Pulmonary Hypertension; Pulmonary Artery; Patients	TC.492	32	1,66	64,726
Chromatin; Histones; Epigenomics	TC.201	20	1,64	95,315
Lubrication; Bearings (Machine Parts); Seals	TC.541	29	1,63	57,095

⁷ Wybrano tematy mające co najmniej 20 publikacji oraz FWCI równy lub większy niż 1.

Fatty Liver; Liver Diseases; Alcoholic Fatty Liver	TC.1042	34	1,61	79,786
Artificial Intelligence; Algorithms; Semantics	TC.411	58	1,6	54,083
Atrial Fibrillation; Patients; Catheter Ablation	TC.25	47	1,58	93,641
Ionic Liquids; Eutectics; Negative Ions	TC.847	29	1,57	88,956
Premature Infant; Infant (Newborn); Neonatal Intensive Care Units	TC.299	26	1,57	76,908
Pheochromocytoma; Paraganglioma; Hydrocortisone	TC.286	22	1,54	67,068
Pharmaceutical Preparations; P-Glycoprotein; Pharmacokinetics	TC.381	28	1,53	71,888
Bile Acids And Salts; Autoimmune Hepatitis; Sclerosing Cholangitis	TC.729	27	1,52	61,312
Alzheimer Disease; Dementia; Amyloid	TC.32	54	1,51	98,527
Escherichia Coli; Bacteria; Quorum Sensing	TC.198	42	1,51	89,692
Chronic Obstructive Pulmonary Disease; Asthma; Patients	TC.39	57	1,5	93,039
DNA Methylation; Epigenomics; Neoplasms	TC.478	41	1,5	90,696
Proteins; Protein Transport; Protein Sorting Signals	TC.1486	29	1,48	27,577
Models; Social Networking (Online); Algorithms	TC.358	20	1,48	91,767
Wings; Elastomers; Micro Air Vehicle (MAV)	TC.1032	56	1,47	61,714
Heart-Assist Devices; Extracorporeal Membrane Oxygenation; Patients	TC.739	25	1,46	67,403
Microscopy; Microscopic Examination; Imaging Techniques	TC.602	59	1,45	81,593
Calcium; Calcium Signaling; Ion Channels	TC.232	56	1,45	73,896
Pharmaceutical Preparations; Nanoparticles; Tablets	TC.82	65	1,41	96,72
Transplants; Tissue Donors; Kidney Transplantation	TC.98	25	1,41	83,869
Erythrocytes; Contrast Media; Blood	TC.811	26	1,36	37,282
Metallic Glass; Amorphous Alloys; Alloys	TC.361	31	1,35	89,09
Brain Injuries; Wounds And Injuries; Patients	TC.258	25	1,34	84,94
Language; Reading; Semantics	TC.88	45	1,33	88,153
Graph In Graph Theory; Coloring; Graphic Methods	TC.262	50	1,32	62,851
Urinary Bladder; Overactive Urinary Bladder; Women	TC.117	47	1,29	76,104
Vitamin D; Vitamin D Deficiency; Parathyroid Hormone	TC.187	49	1,28	85,475
Electric Power Transmission Networks; Wind Power; Electric Power Distribution	TC.28	22	1,28	99,398
Stroke; Patients; Cerebral Hemorrhage	TC.138	42	1,27	89,023
Melanoma; Skin Neoplasms; Neoplasms	TC.233	26	1,27	82,597
Knee; Osteoarthritis; Cartilage	TC.120	123	1,25	91,031
Data Storage Equipment; Program Processors; Applications	TC.92	48	1,24	75,703
Hydrocephalus; Cerebrospinal Fluid; Patients	TC.416	29	1,24	50,335
Streptomyces; Actinobacteria; Anti-Bacterial Agents	TC.543	117	1,23	68,675
Ultrashort Pulses; Laser Induced Breakdown Spectroscopy; Ultrafast Lasers	TC.435	33	1,21	74,833
Robots; Robotics; Manipulators	TC.101	37	1,2	92,838
Electron Microscopy; Aberrations; Electron Microscopes	TC.771	31	1,19	63,119
Photocatalysis; Photocatalysts; Solar Cells	TC.8	28	1,19	99,933
Anoxia; Neoplasms; Hypoxia-Inducible Factor 1	TC.1153	28	1,17	55,087
Magnetron Sputtering; Nitriding; Coatings	TC.369	26	1,17	71,218
Magnetic Resonance Imaging; Brain; Diffusion	TC.181	26	1,17	92,905
Graphene; Carbon Nanotubes; Nanotubes	TC.22	38	1,16	99,866
Ferroelectricity; Dielectric Properties; Ferroelectric Materials	TC.86	32	1,16	95,515
Prostatic Neoplasms; Prostate; Prostatectomy	TC.141	45	1,15	92,169
Hepatocellular Carcinoma; Liver; Neoplasms	TC.182	28	1,14	84,27
Mesenchymal Stromal Cells; Stem Cells; Induced Pluripotent Stem Cells	TC.163	27	1,13	96,452
Quantum Optics; Quantum Computers; Quantum Theory	TC.57	149	1,12	95,917
Aneurysm; Intracranial Aneurysm; Subarachnoid Hemorrhage	TC.288	26	1,12	66,064
Machining; Cutting; Milling (Machining)	TC.179	22	1,12	91,499
Tribology; Friction; Wear Of Materials	TC.458	31	1,11	68,942
Tooth; Bone And Bones; Dentin	TC.14	55	1,1	94,177
Work; Personality; Psychology	TC.29	46	1,1	97,858

Phosphotransferases; Cells; Neoplasms	TC.966	21	1,09	50
Anticoagulants; Patients; Venous Thromboembolism	TC.26	40	1,08	90,161
Genes; Gene Regulatory Networks; Gene Expression	TC.362	49	1,07	91,098
Fluorescence; Probes; Supramolecular Chemistry	TC.248	28	1,07	96,921
Eye; Glaucoma; Cataract	TC.19	134	1,06	88,554
Banach Space; C*-Algebra; Algebra	TC.455	43	1,06	27,309
Taste; Odors; Smell	TC.594	35	1,05	60,174
Microstructure; Steel; Austenite	TC.20	73	1,04	97,456
Attention Deficit Disorder With Hyperactivity; Child; Methylphenidate	TC.721	28	1,04	61,379
Non-Small-Cell Lung Carcinoma; Lung Neoplasms; Patients	TC.124	22	1,04	94,645
Scheduling; Algorithms; Optimization	TC.192	22	1,03	87,082
Hearing; Hearing Loss; Cochlear Implants	TC.66	49	1,01	85,141
Finite Element Method; Galerkin Methods; Errors	TC.154	20	1	82,062

Tabela 8. Wykaz dyscyplin, w ramach których powstały najczęściej cytowane publikacje (Outputs in Top Citation Percentiles)⁸.

Liczba publikacji z lat 2015–2019 w top 10% - 1825

Nazwa dyscypliny	Liczba publikacji	Nazwa dyscypliny	Liczba publikacji
Acoustics and Ultrasonics	1	Health Policy	3
Advanced and Specialized Nursing	7	Health, Toxicology and Mutagenesis	5
Aerospace Engineering	1	Hematology	57
Aging	5	Hepatology	28
Agricultural and Biological Sciences (miscellaneous)	1	Histology	2
Algebra and Number Theory	1	Horticulture	1
Analysis	3	Human-Computer Interaction	20
Analytical Chemistry	41	Immunology	43
Anatomy	2	Immunology and Allergy	33
Anesthesiology and Pain Medicine	3	Industrial and Manufacturing Engineering	3
Applied Mathematics	9	Infectious Diseases	25
Applied Microbiology and Biotechnology	37	Information Systems	20
Applied Psychology	6	Information Systems and Management	7
Artificial Intelligence	13	Inorganic Chemistry	14
Arts and Humanities (miscellaneous)	11	Insect Science	1
Atomic and Molecular Physics, and Optics	23	Instrumentation	13
Behavioral Neuroscience	7	Internal Medicine	17
Biochemistry	117	Issues, Ethics and Legal Aspects	1
Biochemistry (medical)	6	Language and Linguistics	9
Biochemistry, Genetics and Molecular Biology (miscellaneous)	4	Law	2
Bioengineering	51	Library and Information Sciences	2
Biological Psychiatry	8	Life-span and Life-course Studies	1
Biomaterials	21	Linguistics and Language	9
Biomedical Engineering	33	Management Information Systems	3
Biophysics	21	Management of Technology and Innovation	3
Biotechnology	66	Management Science and Operations Research	3
Building and Construction	4	Management, Monitoring, Policy and Law	4
Business and International Management	5	Marketing	2
Business, Management and Accounting (miscellaneous)	1	Materials Chemistry	36

⁸ Szczegółowy wykaz publikacji z top 10% znajduje się w dodatkowym pliku pt: University of Saarland_top10.xlsx

Cancer Research	72	Materials Science (miscellaneous)	3
Cardiology and Cardiovascular Medicine	174	Maternity and Midwifery	4
Catalysis	45	Mathematical Physics	1
Cell Biology	102	Mathematics (miscellaneous)	1
Cellular and Molecular Neuroscience	23	Mechanical Engineering	36
Ceramics and Composites	27	Mechanics of Materials	43
Chemical Engineering (miscellaneous)	2	Medical Laboratory Technology	4
Chemistry (miscellaneous)	5	Medicine (miscellaneous)	16
Civil and Structural Engineering	3	Metals and Alloys	29
Clinical Biochemistry	27	Microbiology	15
Clinical Psychology	5	Microbiology (medical)	16
Cognitive Neuroscience	9	Modeling and Simulation	12
Colloid and Surface Chemistry	12	Molecular Biology	118
Communication	2	Molecular Medicine	50
Complementary and Alternative Medicine	3	Multidisciplinary	67
Computational Mathematics	11	Nephrology	11
Computational Mechanics	1	Neurology	23
Computational Theory and Mathematics	12	Neurology (clinical)	62
Computer Graphics and Computer-Aided Design	20	Neuropsychology and Physiological Psychology	7
Computer Networks and Communications	35	Neuroscience (miscellaneous)	1
Computer Science (miscellaneous)	1	Nuclear Energy and Engineering	3
Computer Science Applications	31	Numerical Analysis	1
Computer Vision and Pattern Recognition	15	Nutrition and Dietetics	11
Condensed Matter Physics	62	Obstetrics and Gynecology	9
Control and Optimization	4	Oncology	97
Control and Systems Engineering	11	Ophthalmology	10
Critical Care and Intensive Care Medicine	11	Oral Surgery	2
Dermatology	8	Organic Chemistry	53
Developmental and Educational Psychology	14	Organizational Behavior and Human Resource Management	2
Developmental Biology	10	Orthopedics and Sports Medicine	43
Developmental Neuroscience	4	Otorhinolaryngology	4
Discrete Mathematics and Combinatorics	1	Parasitology	4
Drug Discovery	28	Pathology and Forensic Medicine	12
Ecology	4	Pediatrics, Perinatology and Child Health	18
Ecology, Evolution, Behavior and Systematics	7	Pharmaceutical Science	44
Economics and Econometrics	6	Pharmacology	33
Education	9	Pharmacology (medical)	24
Electrical and Electronic Engineering	39	Pharmacology, Toxicology and Pharmaceutics (miscellaneous)	2
Electrochemistry	14	Physical and Theoretical Chemistry	41
Electronic, Optical and Magnetic Materials	44	Physical Therapy, Sports Therapy and Rehabilitation	24
Emergency Medicine	1	Physics and Astronomy (miscellaneous)	7
Endocrine and Autonomic Systems	6	Physiology	46
Endocrinology	19	Physiology (medical)	37
Endocrinology, Diabetes and Metabolism	17	Plant Science	5
Energy (miscellaneous)	1	Pollution	6
Energy Engineering and Power Technology	17	Polymers and Plastics	28
Engineering (miscellaneous)	3	Process Chemistry and Technology	1
Environmental Chemistry	29	Psychiatry and Mental Health	19
Environmental Engineering	4	Psychology (miscellaneous)	1
Epidemiology	8	Public Health, Environmental and Occupational Health	7
Experimental and Cognitive Psychology	10	Pulmonary and Respiratory Medicine	36

Filtration and Separation	2	Radiation	2
Finance	3	Radiological and Ultrasound Technology	1
Fluid Flow and Transfer Processes	3	Radiology, Nuclear Medicine and Imaging	22
Food Science	9	Renewable Energy, Sustainability and the Environment	35
Fuel Technology	7	Reproductive Medicine	2
Gastroenterology	18	Rheumatology	2
General Agricultural and Biological Sciences	21	Safety Research	1
General Biochemistry, Genetics and Molecular Biology	87	Safety, Risk, Reliability and Quality	19
General Business, Management and Accounting	5	Sensory Systems	4
General Chemical Engineering	41	Signal Processing	8
General Chemistry	140	Social Psychology	8
General Computer Science	37	Social Sciences (miscellaneous)	2
General Dentistry	6	Sociology and Political Science	3
General Energy	17	Software	73
General Engineering	15	Spectroscopy	26
General Environmental Science	2	Statistical and Nonlinear Physics	2
General Immunology and Microbiology	15	Statistics and Probability	5
General Materials Science	110	Strategy and Management	8
General Mathematics	4	Structural Biology	5
General Medicine	40	Surfaces and Interfaces	23
General Neuroscience	25	Surfaces, Coatings and Films	35
General Pharmacology, Toxicology and Pharmaceutics	5	Surgery	50
General Physics and Astronomy	77	Theoretical Computer Science	25
General Psychology	8	Tourism, Leisure and Hospitality Management	2
General Veterinary	2	Toxicology	12
Genetics	56	Transplantation	13
Genetics (clinical)	10	Transportation	1
Geography, Planning and Development	4	Urology	18
Geometry and Topology	1	Virology	10
Geriatrics and Gerontology	9	Waste Management and Disposal	3
Hardware and Architecture	3	Water Science and Technology	2
Health (social science)	1		

Tabela 9. Współpraca zagraniczna z 10 polskimi instytucjami

Nazwa instytucji	Liczba wspólnych publikacji	Liczba cytowań
Medical University of Warsaw	70	2689
Jagiellonian University in Kraków	22	1696
Medical University of Gdańsk	22	1370
Pomeranian Medical University in Szczecin	22	386
Wrocław Medical University	22	1459
Polish Academy of Sciences	16	1327
Medical University of Silesia in Katowice	15	449
Jagiellonian University Medical College	14	601
University of Medical Sciences Poznan	10	515
University of Warsaw	9	120
Maria Skłodowska-Curie Institute of Oncology	7	1533

Софийски университет "Св. Климент Охридски (Sofia University St. Kliment Ohridski)

Strony internetowe: [Strona główna \(eng\)](#); [ResearchGate](#); [Google Scholar](#)

Dane ogólne:

Liczba publikacji (scholarly output) – 3 990

Field-Weighted Citation Impact – 1,23

H5 Index – 62

Miejsce w rankingach:

751-800 (QS)

1001+ (THE)

901-1000 (ARWU)

Dziedziny:

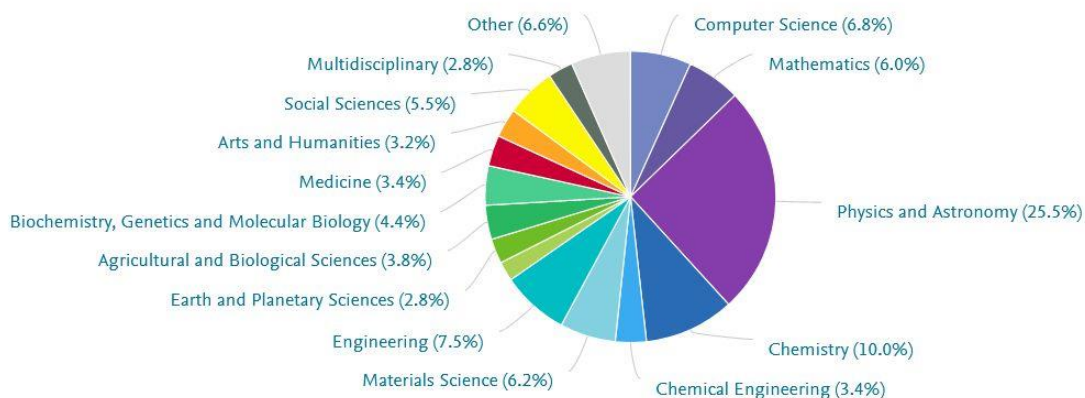


Tabela 10. Uprawiane na Uniwersytecie dyscypliny⁹ o wskaźniku Field-Weighted Citation Impact równym 1 lub więcej.

Dziedzina (Subject Area)	Dyscyplina (Subcategory)	Liczba publikacji	Liczba cytowań	Liczba autorów	Liczba cytowań na publikację	Field-weighted Citation Impact
Agricultural and Biological Sciences	-	245	2023	194	8,3	1,01

⁹ Wzięto pod uwagę tylko te dyscypliny, w ramach których powstało co najmniej 20 publikacji.

Agricultural and Biological Sciences	Plant Science	68	1032	65	15,2	1,41
Agricultural and Biological Sciences	Agronomy and Crop Science	22	547	35	24,9	1,65
Biochemistry, Genetics and Molecular Biology	Biochemistry	76	818	91	10,8	1,12
Biochemistry, Genetics and Molecular Biology	Molecular Biology	34	251	55	7,4	1,12
Biochemistry, Genetics and Molecular Biology	General Biochemistry, Genetics and Molecular Biology	26	168	44	6,5	1,01
Biochemistry, Genetics and Molecular Biology	Cell Biology	20	318	32	15,9	1,82
Chemical Engineering	Catalysis	58	672	49	11,6	1,18
Chemistry	Electrochemistry	26	250	36	9,6	1,19
Computer Science	Artificial Intelligence	50	231	60	4,6	1,26
Engineering	-	485	4151	395	8,6	1,5
Engineering	Engineering (miscellaneous)	108	2962	27	27,4	4,01
Engineering	General Engineering	45	153	57	3,4	1,06
Engineering	Mechanics of Materials	43	252	57	5,9	1,03
Engineering	Mechanical Engineering	40	315	54	7,9	1,33
Environmental Science	-	139	1613	140	11,6	1,45
Environmental Science	Ecology	40	260	45	6,5	1,31
Environmental Science	Nature and Landscape Conservation	28	174	30	6,2	1,12
Environmental Science	General Environmental Science	26	903	39	34,7	3,76
Materials Science	Polymers and Plastics	38	276	51	7,3	1,03
Mathematics	-	387	2674	297	6,9	1,5
Mathematics	Mathematical Physics	61	1858	50	30,5	5,74
Pharmacology, Toxicology and Pharmaceutics	Pharmaceutical Science	32	207	50	6,5	1,41
Physics and Astronomy	-	1650	23191	589	14,1	1,97
Physics and Astronomy	Nuclear and High Energy Physics	467	9665	69	20,7	2,6
Physics and Astronomy	General Physics and Astronomy	408	4154	315	10,2	1,68
Physics and Astronomy	Physics and Astronomy (miscellaneous)	220	5443	55	24,7	3,22
Physics and Astronomy	Instrumentation	148	2070	121	14	2,81
Social Sciences	General Social Sciences	64	793	52	12,4	1,87

Tabela 11. Podejmowana tematyka badawcza (topic cluster)¹⁰.

Temat	ID	Liczba publikacji	FWCI	Wskaźnik prominencji
Decay; Quarks; Neutrinos	TC.6	584	3,91	98,26
Discharge; Plasma Applications; Plasma Jets	TC.184	65	1,13	82,731
Galaxies; Stars; Planets	TC.1	61	1,21	99,331
Gravitation; Black Holes (Astronomy); Models	TC.15	59	1,43	95,85
Detectors; High Energy Physics; Readout Systems	TC.560	52	1,62	37,082
Semantics; Models; Recommender Systems	TC.37	30	1,1	97,39
Harmonic Generations; Ultrashort Pulses; Laser Pulses	TC.386	28	1,37	68,474
Photosystem II Protein Complex; Photosynthesis; Chlorophyll	TC.329	25	3,05	78,916
Ligands; Crystal Structure; Organometallics	TC.71	24	1,88	99,197
Secondary Batteries; Electric Batteries; Lithium Alloys	TC.30	23	1,75	100
Models; Social Networking (Online); Algorithms	TC.358	20	4,67	91,767
Synthetic Aperture Radar; Radar; Radar Imaging	TC.204	20	1,21	82,664
Micelles; Surface Active Agents; Critical Micelle Concentration	TC.406	19	1,03	62,584

¹⁰ Wybrano tematy mające co najmniej 10 publikacji oraz FWCI równy lub większy niż 1.

Kalman Filters; Target Tracking; Algorithms	TC.333	18	1,52	62,651
Flora; Grasslands; Italy	TC.706	18	1,42	27,443
Soviet; Holocaust; Russia	TC.469	17	1,45	20,147
Eye; Glaucoma; Cataract	TC.19	16	2,97	88,554
Pharmaceutical Preparations; Nanoparticles; Tablets	TC.82	14	1,75	96,72
Quantum Chemistry; Density Functional Theory; Molecular Orbitals	TC.145	13	1,35	89,157
Inverse Problems; Boundary Value Problems; Heat Conduction	TC.930	12	1,57	27,242
Nuclear Magnetic Resonance; Nuclear Magnetic Resonance Spectroscopy; Biomolecular Nuclear Magnetic Resonance	TC.737	12	1,61	60,241
Crude Oil; Asphaltenes; Oil Sands	TC.629	10	1,33	67,805
Party; Election; Voter	TC.172	10	1,05	86,479
Semiconductor Quantum Dots; Semiconductor Quantum Wells; Gallium Arsenide	TC.59	10	2,01	81,058
Emulsification; Emulsions; Emulsion Polymerization	TC.802	10	1,26	72,624
Ecosystem Services; Willingness To Pay; Valuation	TC.955	10	7,07	83,668

Tabela 12. Wykaz dyscyplin, w ramach których powstały najczęściej cytowane publikacje (Outputs in Top Citation Percentiles)¹¹.

Liczba publikacji z lat 2015–2019 w top 10% - 617

Nazwa dyscypliny	Liczba publikacji	Nazwa dyscypliny	Liczba publikacji
Acoustics and Ultrasonics	1	General Social Sciences	2
Agronomy and Crop Science	4	Genetics	4
Analytical Chemistry	7	Geography, Planning and Development	1
Applied Mathematics	2	Geology	2
Applied Psychology	1	Global and Planetary Change	1
Aquatic Science	2	Health (social science)	2
Artificial Intelligence	4	Human-Computer Interaction	3
Arts and Humanities (miscellaneous)	1	Immunology	3
Astronomy and Astrophysics	9	Immunology and Allergy	2
Atmospheric Science	1	Industrial and Manufacturing Engineering	4
Atomic and Molecular Physics, and Optics	9	Inorganic Chemistry	9
Biochemistry	13	Instrumentation	18
Biomaterials	3	Internal Medicine	1
Biophysics	3	Library and Information Sciences	1
Biotechnology	3	Linguistics and Language	1
Building and Construction	2	Management, Monitoring, Policy and Law	5
Cancer Research	2	Materials Chemistry	7
Cardiology and Cardiovascular Medicine	2	Mathematical Physics	15
Catalysis	18	Mechanical Engineering	6
Cell Biology	5	Mechanics of Materials	5
Cellular and Molecular Neuroscience	2	Medicine (miscellaneous)	1
Ceramics and Composites	1	Metals and Alloys	3
Chemical Engineering (miscellaneous)	1	Microbiology	3
Civil and Structural Engineering	2	Microbiology (medical)	1
Clinical Biochemistry	1	Modeling and Simulation	1
Colloid and Surface Chemistry	12	Molecular Biology	5
Communication	1	Multidisciplinary	11
Complementary and Alternative Medicine	1	Nature and Landscape Conservation	5
Computer Graphics and Computer-Aided Design	1	Nuclear and High Energy Physics	230

¹¹ Szczegółowy wykaz publikacji z top 10% znajduje się w dodatkowym pliku pt: Sofia University_top10.xlsx

Computer Science Applications	6	Nuclear Energy and Engineering	2
Condensed Matter Physics	29	Ocean Engineering	1
Cultural Studies	1	Oceanography	1
Developmental and Educational Psychology	1	Oncology	2
Developmental Biology	1	Ophthalmology	5
Drug Discovery	3	Organic Chemistry	14
Earth and Planetary Sciences (miscellaneous)	1	Pathology and Forensic Medicine	1
Ecology	7	Pediatrics, Perinatology and Child Health	1
Ecology, Evolution, Behavior and Systematics	8	Pharmaceutical Science	7
Economic Geology	1	Pharmacology	3
Economics and Econometrics	1	Physical and Theoretical Chemistry	25
Education	2	Physics and Astronomy (miscellaneous)	112
Electrical and Electronic Engineering	8	Physiology	2
Electrochemistry	10	Plant Science	10
Electronic, Optical and Magnetic Materials	13	Pollution	5
Endocrinology	1	Polymers and Plastics	6
Endocrinology, Diabetes and Metabolism	2	Process Chemistry and Technology	2
Energy Engineering and Power Technology	1	Pulmonary and Respiratory Medicine	1
Engineering (miscellaneous)	59	Radiation	1
Environmental Chemistry	5	Radiological and Ultrasound Technology	1
Environmental Engineering	1	Radiology, Nuclear Medicine and Imaging	1
Environmental Science (miscellaneous)	1	Renewable Energy, Sustainability and the Environment	6
Experimental and Cognitive Psychology	1	Rheumatology	1
Filtration and Separation	1	Sensory Systems	2
Food Science	3	Social Psychology	1
Fuel Technology	1	Social Sciences (miscellaneous)	1
General Agricultural and Biological Sciences	3	Sociology and Political Science	1
General Biochemistry, Genetics and Molecular Biology	5	Software	3
General Chemical Engineering	8	Space and Planetary Science	6
General Chemistry	34	Spectroscopy	13
General Computer Science	5	Strategy and Management	1
General Energy	6	Stratigraphy	1
General Engineering	2	Surfaces and Interfaces	16
General Environmental Science	3	Surfaces, Coatings and Films	12
General Materials Science	19	Surgery	1
General Mathematics	1	Theoretical Computer Science	3
General Medicine	1	Waste Management and Disposal	1
General Physics and Astronomy	69	Water Science and Technology	1
General Psychology	2		

Tabela 13. Współpraca zagraniczna z 10 polskimi instytucjami

Nazwa instytucji	Liczba wspólnych publikacji	Liczba cytowań
University of Warsaw	600	17816
National Centre for Nuclear Research	589	17583
Warsaw University of Technology	391	10379
Institute of Electron Technology	368	10197
Polish Academy of Sciences	68	3165
Jagiellonian University in Kraków	50	2191

AGH University of Science and Technology	37	1811
Jan Kochanowski University in Kielce	37	412
Gdańsk University of Technology	29	235
University of Wrocław	25	362
University of Warsaw	600	17816

Universidad de Alicante (University of Alicante)

Adresy internetowe: [Strona główna \(eng\)](#); [ResearchGate](#); [Google Scholar](#)

Dane ogólne:

Liczba publikacji (scholarly output) – 6 832

Field-Weighted Citation Impact – 1,09

H5 Index – 56

Miejsce w rankingach:

701-750 (QS)

801-1000 (THE)

801-900 (ARWU)

Dziedziny:

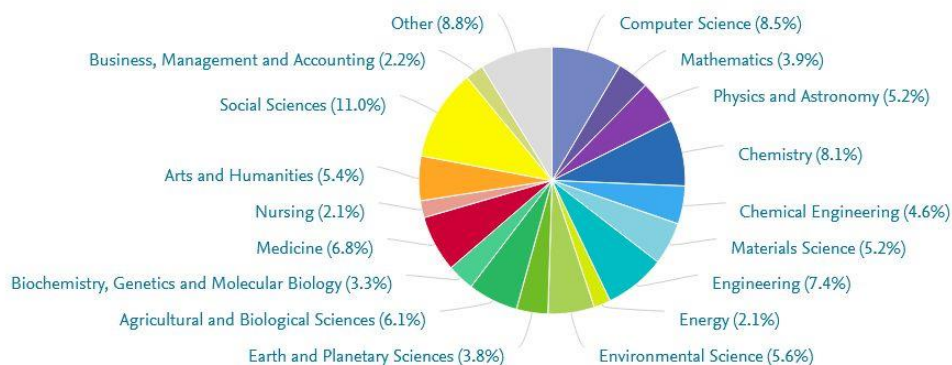


Tabela 14. Uprawiane na Uniwersytecie dyscypliny¹² o wskaźniku Field-Weighted Citation Impact równym 1 lub więcej.

Dziedzina (Subject Area)	Dyscyplina (Subcategory)	Liczba publikacji	Liczba cytowań	Liczba autorów	Liczba cytowań na publikację	Field-weighted Citation Impact
Agricultural and Biological Sciences	-	774	5346	602	6,9	1,02
Agricultural and Biological Sciences	Aquatic Science	123	923	98	7,5	1,01
Agricultural and Biological Sciences	Food Science	86	561	128	6,5	1,3

¹² Wzięto pod uwagę tylko te dyscypliny, w ramach których powstało co najmniej 50 publikacji.

Arts and Humanities	Arts and Humanities (miscellaneous)	60	222	109	3,7	1,03
Biochemistry, Genetics and Molecular Biology	-	419	5196	527	12,4	1,35
Biochemistry, Genetics and Molecular Biology	Biochemistry	158	1963	216	12,4	1,25
Biochemistry, Genetics and Molecular Biology	General Biochemistry, Genetics and Molecular Biology	114	1151	194	10,1	1,46
Business, Management and Accounting	-	281	2229	211	7,9	1,25
Business, Management and Accounting	Tourism, Leisure and Hospitality Management	102	1213	79	11,9	1,62
Business, Management and Accounting	Strategy and Management	75	1067	87	14,2	1,96
Chemical Engineering	-	585	11932	446	20,4	1,56
Chemical Engineering	General Chemical Engineering	274	6820	229	24,9	1,76
Chemical Engineering	Catalysis	220	3835	188	17,4	1,28
Chemical Engineering	Process Chemistry and Technology	101	1525	142	15,1	1,56
Chemistry	-	1024	18255	653	17,8	1,47
Chemistry	General Chemistry	363	10477	315	28,9	2,02
Chemistry	Physical and Theoretical Chemistry	254	3509	270	13,8	1,27
Chemistry	Organic Chemistry	206	2886	226	14	1,14
Chemistry	Analytical Chemistry	196	2107	247	10,8	1,12
Chemistry	Electrochemistry	160	1665	120	10,4	1,1
Chemistry	Inorganic Chemistry	65	1154	86	17,8	1,57
Chemistry	Spectroscopy	61	640	82	10,5	1,17
Computer Science	-	1084	4449	655	4,1	1,04
Computer Science	Computer Science Applications	393	1866	421	4,7	1,06
Computer Science	General Computer Science	288	799	242	2,8	1
Computer Science	Software	228	1290	183	5,7	1,28
Computer Science	Computer Networks and Communications	176	572	135	3,3	1,27
Computer Science	Hardware and Architecture	57	239	72	4,2	2,19
Decision Sciences	-	142	752	109	5,3	1,48
Decision Sciences	Information Systems and Management	50	267	44	5,3	1,17
Earth and Planetary Sciences	-	485	4048	300	8,3	1,13
Earth and Planetary Sciences	Space and Planetary Science	111	1347	40	12,1	1,12
Earth and Planetary Sciences	General Earth and Planetary Sciences	85	673	83	7,9	1,41
Earth and Planetary Sciences	Geology	80	709	77	8,9	1,33
Earth and Planetary Sciences	Oceanography	72	557	72	7,7	1,15
Energy	-	262	3373	296	12,9	1,49
Energy	Renewable Energy, Sustainability and the Environment	165	2264	208	13,7	1,61
Energy	Energy Engineering and Power Technology	80	963	93	12	1,83
Energy	General Energy	50	587	78	11,7	1,26
Engineering	-	940	6501	791	6,9	1,25
Engineering	Electrical and Electronic Engineering	251	1828	276	7,3	1,13
Engineering	General Engineering	178	904	263	5,1	1,52
Engineering	Mechanics of Materials	115	1000	149	8,7	1,25
Engineering	Control and Systems Engineering	111	411	135	3,7	1,04
Engineering	Building and Construction	110	798	146	7,3	1,15
Engineering	Mechanical Engineering	102	1270	150	12,5	1,71

Engineering	Industrial and Manufacturing Engineering	71	752	114	10,6	1,51
Environmental Science	-	714	7012	697	9,8	1,28
Environmental Science	Ecology	133	959	144	7,2	1,23
Environmental Science	Environmental Chemistry	129	1900	172	14,7	1,39
Environmental Science	Management, Monitoring, Policy and Law	129	1118	176	8,7	1,43
Environmental Science	Pollution	121	1615	160	13,3	1,25
Environmental Science	Environmental Engineering	112	1125	155	10	1,08
Environmental Science	General Environmental Science	111	1606	195	14,5	1,76
Environmental Science	Waste Management and Disposal	98	1168	135	11,9	1,15
Environmental Science	Water Science and Technology	88	787	116	8,9	1,26
Environmental Science	Nature and Landscape Conservation	73	462	86	6,3	1,08
Immunology and Microbiology	-	104	2375	111	22,8	2,12
Immunology and Microbiology	Microbiology	51	1476	60	28,9	2,56
Materials Science	-	657	7261	486	11,1	1,39
Materials Science	General Materials Science	313	3859	328	12,3	1,45
Materials Science	Electronic, Optical and Magnetic Materials	192	1726	187	9	1,23
Materials Science	Materials Chemistry	125	1769	141	14,2	1,63
Materials Science	Surfaces, Coatings and Films	103	1066	144	10,3	1,39
Materials Science	Polymers and Plastics	54	543	73	10,1	1,11
Mathematics	General Mathematics	75	336	91	4,5	1,4
Medicine	-	869	5705	645	6,6	1,08
Medicine	Ophthalmology	123	724	76	5,9	1,22
Multidisciplinary	-	148	1362	235	9,2	1,03
Multidisciplinary	Multidisciplinary	148	1362	235	9,2	1,03
Physics and Astronomy	-	667	6233	499	9,3	1,31
Physics and Astronomy	Condensed Matter Physics	181	2136	188	11,8	1,79
Physics and Astronomy	Atomic and Molecular Physics, and Optics	164	1283	198	7,8	1
Physics and Astronomy	Instrumentation	122	905	196	7,4	1,25
Physics and Astronomy	Astronomy and Astrophysics	116	1332	37	11,5	1,05
Physics and Astronomy	General Physics and Astronomy	111	1083	145	9,8	1,39
Social Sciences	Education	307	1147	272	3,7	1,3
Social Sciences	Communication	76	182	78	2,4	1,14
Social Sciences	Archeology	59	127	53	2,2	1,01
Social Sciences	Library and Information Sciences	59	284	78	4,8	1,21
Social Sciences	Social Sciences (miscellaneous)	52	228	51	4,4	2,01

Tabela 15. Podejmowana tematyka badawcza (topic cluster)¹³.

Temat	ID	Liczba publikacji	FWCI	Wskaźnik prominencji
Catalysis; Synthesis (Chemical); Catalysts	TC.4	162	1,15	99,732
Catalysts; Zeolites; Hydrogenation	TC.7	135	1,2	99,531
Proton Exchange Membrane Fuel Cells (PEMFC); Electrocatalysts; Electrolytic Reduction	TC.229	107	1,53	95,716
Galaxies; Stars; Planets	TC.1	106	1	99,331
Algorithms; Computer Vision; Models	TC.0	100	1,05	99,799
Eye; Glaucoma; Cataract	TC.19	99	1,22	88,554

¹³ Wybrano tematy mające co najmniej 20 publikacji oraz FWCI równy lub większy niż 1.

Concretes; Compressive Strength; Cements	TC.68	74	1,23	98,059
Secondary Batteries; Electric Batteries; Lithium Alloys	TC.30	69	1,56	100
Synthetic Aperture Radar; Radar; Radar Imaging	TC.204	69	1,86	82,664
Students; Teaching; Education; E-Learning	TC.200	57	1,23	89,893
Tourism; Tourists; Destination	TC.239	53	1,09	90,964
Water; Water Resources; Water Management	TC.527	52	1	81,392
Child; Adolescent; Schools	TC.99	52	1,13	95,114
Fixed Point; Fixed Point Theorem; Metric Space	TC.301	49	1,22	61,178
Acoustic Waves; Musical Instruments; Computer Music	TC.664	47	1,36	47,59
Industry; Research; Marketing	TC.36	44	1,46	98,394
Publications; Periodicals As Topic; Research	TC.275	43	1,24	87,617
Work; Personality; Psychology	TC.29	42	1,38	97,858
Organic Light Emitting Diodes (OLED); Solar Cells; Conjugated Polymers	TC.61	40	1,26	99,13
Fisheries; Sharks; Fish	TC.63	38	1,1	89,357
Oceans; Lakes; Dissolved Organic Matter	TC.52	37	1,72	95,248
Forests; Landscapes; Plants	TC.151	37	1,12	96,051
Biosensors; Electrodes; Voltammetry	TC.128	35	1,36	98,594
Mathematics; Students; Teacher	TC.391	34	1,49	69,076
Gasification; Pyrolysis; Coal	TC.87	34	1,54	98,327
Design; Human Computer Interaction; Websites	TC.742	34	2	42,102
Mangrove; Wetlands; Seagrass	TC.585	31	1,11	72,892
Quantum Chemistry; Density Functional Theory; Molecular Orbitals	TC.145	31	1,07	89,157
Media; News; Journalism	TC.279	31	1	87,349
Graphene; Carbon Nanotubes; Nanotubes	TC.22	30	1,21	99,866
Ligands; Crystal Structure; Organometallics	TC.71	30	7,29	99,197
Masonry Materials; Masonry Construction; Brick	TC.1003	30	2,43	62,985
Fossils; Pleistocene; Paleolithic	TC.127	28	1,6	79,518
Translation; Translator; Interpreter	TC.1131	28	1,58	27,175
Software Engineering; Models; Software Design	TC.49	28	1,09	91,901
Inductively Coupled Plasma Mass Spectrometry; Atomic Absorption Spectrometry; Inductively Coupled Plasma	TC.274	26	1,06	69,746
Learning; Students; Education	TC.557	26	3,39	55,154
Ozonization; Degradation; Wastewater Treatment	TC.206	26	1,3	99,063
Holography; Holograms; Computer Generated Holography	TC.335	26	1,31	71,285
Polypropylenes; Lactic Acid; Blending	TC.69	25	1,84	96,118
Students; Education; Teaching	TC.542	25	1,3	73,494
Distillation; Optimization; Distillation Columns	TC.427	24	1,39	59,505
Nurses; Nursing; Students	TC.212	23	1,22	71,954
Eye; Optical Coherence Tomography; Macular Degeneration	TC.33	23	1,27	93,909
Corporate Social Responsibility; Corporate Governance; Firms	TC.56	23	1,31	96,653
Landslides; Debris Flow; Slope Stability	TC.553	22	1,26	77,309
Ionic Liquids; Eutectics; Negative Ions	TC.847	22	1,22	88,956
Industry; Information Systems; Research	TC.254	21	4,86	85,542
Research; Technology; Industry	TC.637	21	1,27	79,384
Ligands; Ruthenium; Catalysts	TC.75	21	1,92	96,988
Adsorption; Activated Carbon; Adsorbents	TC.772	20	1,81	74,23
Microbial Fuel Cells; Anaerobic Digestion; Bioreactors	TC.65	20	1,17	98,929
Fires; Forests; Wildfires	TC.278	20	1,38	74,632

Tabela 16. Wykaz dyscyplin, w ramach których powstały najczęściej cytowane publikacje (Outputs in Top Citation Percentiles)¹⁴.

Liczba publikacji z lat 2015–2019 w top 10% - 861

Nazwa dyscypliny	Liczba publikacji	Nazwa dyscypliny	Liczba publikacji
Acoustics and Ultrasonics	1	Geography, Planning and Development	27
Aerospace Engineering	2	Geology	12
Aging	1	Geophysics	5
Agronomy and Crop Science	4	Geotechnical Engineering and Engineering Geology	7
Analytical Chemistry	56	Geriatrics and Gerontology	1
Anatomy	1	Global and Planetary Change	4
Anesthesiology and Pain Medicine	1	Hardware and Architecture	5
Animal Science and Zoology	2	Health (social science)	1
Anthropology	2	Health Informatics	3
Applied Mathematics	7	Health Policy	1
Applied Microbiology and Biotechnology	7	Health, Toxicology and Mutagenesis	8
Applied Psychology	1	Hematology	1
Aquatic Science	13	Hepatology	1
Archeology	2	Human-Computer Interaction	5
Archeology (arts and humanities)	2	Immunology	7
Artificial Intelligence	11	Immunology and Allergy	4
Arts and Humanities (miscellaneous)	4	Industrial and Manufacturing Engineering	14
Astronomy and Astrophysics	25	Infectious Diseases	3
Atmospheric Science	4	Information Systems	7
Atomic and Molecular Physics, and Optics	22	Information Systems and Management	1
Automotive Engineering	1	Inorganic Chemistry	25
Biochemistry	43	Insect Science	2
Biochemistry, Genetics and Molecular Biology (miscellaneous)	1	Instrumentation	23
Bioengineering	9	Internal Medicine	1
Biomaterials	3	Language and Linguistics	1
Biomedical Engineering	7	Law	1
Biophysics	3	Leadership and Management	1
Biotechnology	11	Library and Information Sciences	4
Building and Construction	18	Life-span and Life-course Studies	1
Business and International Management	4	Linguistics and Language	1
Business, Management and Accounting (miscellaneous)	1	Management of Technology and Innovation	3
Cancer Research	2	Management Science and Operations Research	5
Cardiology and Cardiovascular Medicine	1	Management, Monitoring, Policy and Law	24
Catalysis	81	Marketing	3
Cell Biology	4	Materials Chemistry	35
Cellular and Molecular Neuroscience	5	Materials Science (miscellaneous)	1
Ceramics and Composites	6	Mathematics (miscellaneous)	1
Chemical Engineering (miscellaneous)	3	Mechanical Engineering	17
Chemistry (miscellaneous)	2	Mechanics of Materials	9
Civil and Structural Engineering	17	Media Technology	1
Clinical Biochemistry	1	Medicine (miscellaneous)	2
Clinical Psychology	1	Metals and Alloys	5
Cognitive Neuroscience	1	Microbiology	14

¹⁴ Szczegółowy wykaz publikacji z top 10% znajduje się w dodatkowym pliku pt: University of Alicante_top10.xlsx

Colloid and Surface Chemistry	4	Microbiology (medical)	4
Communication	1	Modeling and Simulation	1
Computational Mathematics	2	Molecular Biology	10
Computer Graphics and Computer-Aided Design	1	Molecular Medicine	4
Computer Networks and Communications	6	Multidisciplinary	25
Computer Science (miscellaneous)	1	Nature and Landscape Conservation	6
Computer Science Applications	31	Nephrology	1
Computer Vision and Pattern Recognition	5	Neurology	3
Computers in Earth Sciences	4	Neurology (clinical)	6
Condensed Matter Physics	31	Neuropsychology and Physiological Psychology	2
Control and Optimization	4	Nuclear Energy and Engineering	5
Control and Systems Engineering	4	Nutrition and Dietetics	6
Cultural Studies	3	Obstetrics and Gynecology	3
Dermatology	2	Oceanography	8
Development	12	Oncology	4
Developmental and Educational Psychology	4	Ophthalmology	12
Drug Discovery	5	Optometry	4
Earth-Surface Processes	7	Organic Chemistry	48
Ecological Modeling	3	Organizational Behavior and Human Resource Management	2
Ecology	17	Orthopedics and Sports Medicine	4
Ecology, Evolution, Behavior and Systematics	31	Paleontology	1
Economic Geology	1	Pathology and Forensic Medicine	2
Economics and Econometrics	10	Pharmaceutical Science	2
Education	16	Physical and Theoretical Chemistry	63
Electrical and Electronic Engineering	32	Physical Therapy, Sports Therapy and Rehabilitation	3
Electrochemistry	36	Physics and Astronomy (miscellaneous)	2
Electronic, Optical and Magnetic Materials	18	Physiology	8
Emergency Medicine	2	Physiology (medical)	2
Endocrinology	4	Plant Science	11
Endocrinology, Diabetes and Metabolism	5	Pollution	31
Energy (miscellaneous)	1	Polymers and Plastics	12
Energy Engineering and Power Technology	19	Process Chemistry and Technology	41
Engineering (miscellaneous)	1	Psychiatry and Mental Health	1
Environmental Chemistry	46	Public Health, Environmental and Occupational Health	12
Environmental Engineering	22	Pulmonary and Respiratory Medicine	1
Epidemiology	1	Radiology, Nuclear Medicine and Imaging	3
Filtration and Separation	3	Renewable Energy, Sustainability and the Environment	55
Fluid Flow and Transfer Processes	6	Reproductive Medicine	3
Food Science	16	Rheumatology	1
Forestry	4	Safety Research	1
Fuel Technology	18	Safety, Risk, Reliability and Quality	4
Gastroenterology	2	Sensory Systems	5
General Agricultural and Biological Sciences	8	Signal Processing	6
General Arts and Humanities	1	Social Sciences (miscellaneous)	5
General Biochemistry, Genetics and Molecular Biology	19	Sociology and Political Science	3
General Business, Management and Accounting	3	Software	18
General Chemical Engineering	63	Soil Science	7
General Chemistry	135	Space and Planetary Science	25
General Computer Science	17	Spectroscopy	22
General Decision Sciences	4	Statistics and Probability	2
General Earth and Planetary Sciences	17	Statistics, Probability and Uncertainty	4

General Economics,Econometrics and Finance	2	Strategy and Management	23
General Energy	12	Stratigraphy	3
General Engineering	19	Structural Biology	2
General Environmental Science	39	Surfaces and Interfaces	8
General Immunology and Microbiology	3	Surfaces, Coatings and Films	17
General Materials Science	94	Surgery	10
General Mathematics	4	Theoretical Computer Science	2
General Medicine	3	Tourism, Leisure and Hospitality Management	22
General Neuroscience	3	Toxicology	2
General Nursing	2	Transplantation	2
General Physics and Astronomy	30	Transportation	7
General Psychology	6	Urban Studies	2
General Social Sciences	3	Veterinary (miscellaneous)	1
Genetics	3	Virology	2
Genetics (clinical)	1	Waste Management and Disposal	26
Geochemistry and Petrology	3	Water Science and Technology	19

Tabela 17. Współpraca zagraniczna z 10 polskimi instytucjami

Nazwa instytucji	Liczba wspólnych publikacji	Liczba cytowań
Polish Academy of Sciences	12	470
Gdańsk University of Technology	9	84
Jagiellonian University in Kraków	8	183
Nicolaus Copernicus Astronomical Center of the Polish Academy of Sciences	7	185
Adam Mickiewicz University in Poznań	6	111
Wrocław University of Science and Technology	5	18
University of Warsaw	4	45
Medical University of Silesia in Katowice	3	28
Nicolaus Copernicus University in Toruń	3	15
Space Research Center of the Polish Academy of Sciences	3	119

Università degli studi di Trieste (University of Trieste)

Adresy internetowe: [Strona główna \(eng\)](#); [ResearchGate](#); [Google Scholar](#)

Dane ogólne:

Liczba publikacji (scholarly output) – 9 544

Field-Weighted Citation Impact – 1,58

H5 Index – 100

Miejsce w rankingach:

701-750 (QS)

401-500 (THE)

601-700 (ARWU)

Dziedziny:

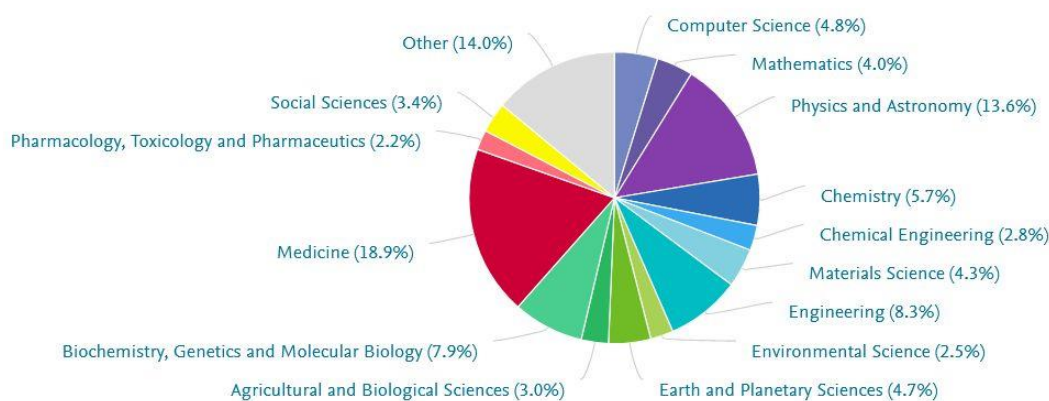


Tabela 18. Uprawiane na Uniwersytecie dyscypliny¹⁵ o wskaźniku Field-Weighted Citation Impact wyższym niż 1.

Dziedzina (Subject Area)	Dyscyplina (Subcategory)	Liczba publikacji	Liczba cytowań	Liczba autorów	Liczba cytowań na publikację	Field-weighted Citation Impact
Agricultural and Biological Sciences	-	471	4829	421	10,3	1,57
Agricultural and Biological Sciences	Ecology, Evolution, Behavior and Systematics	155	1738	113	11,2	1,97

¹⁵ Wzięto pod uwagę tylko te dyscypliny, w ramach których powstało co najmniej 50 publikacji.

Agricultural and Biological Sciences	General Agricultural and Biological Sciences	112	1032	191	9,2	1,02
Agricultural and Biological Sciences	Plant Science	98	1480	81	15,1	2,75
Agricultural and Biological Sciences	Aquatic Science	81	563	71	7	1,13
Biochemistry, Genetics and Molecular Biology	-	1226	16824	1139	13,7	1,42
Biochemistry, Genetics and Molecular Biology	Biochemistry	223	3009	361	13,5	1,36
Biochemistry, Genetics and Molecular Biology	General Biochemistry, Genetics and Molecular Biology	208	2855	355	13,7	1,39
Biochemistry, Genetics and Molecular Biology	Cancer Research	208	2656	275	12,8	1,26
Biochemistry, Genetics and Molecular Biology	Genetics	201	3988	225	19,8	1,96
Biochemistry, Genetics and Molecular Biology	Cell Biology	134	1738	234	13	1,33
Biochemistry, Genetics and Molecular Biology	Molecular Medicine	131	1332	225	10,2	1,05
Biochemistry, Genetics and Molecular Biology	Physiology	104	1609	157	15,5	1,87
Biochemistry, Genetics and Molecular Biology	Biotechnology	73	722	153	9,9	1,05
Biochemistry, Genetics and Molecular Biology	Biophysics	69	719	137	10,4	1,09
Biochemistry, Genetics and Molecular Biology	Clinical Biochemistry	69	493	143	7,1	1,08
Business, Management and Accounting	-	93	508	88	5,5	1,24
Chemical Engineering	-	436	6170	419	14,2	1,37
Chemical Engineering	Catalysis	184	3890	191	21,1	1,49
Chemical Engineering	Bioengineering	98	1061	168	10,8	1,39
Chemical Engineering	General Chemical Engineering	92	857	131	9,3	1,42
Chemistry	-	883	12771	653	14,5	1,29
Chemistry	General Chemistry	313	6860	348	21,9	1,77
Chemistry	Organic Chemistry	230	2448	285	10,6	1,01
Chemistry	Inorganic Chemistry	121	1560	128	12,9	1,09
Chemistry	Analytical Chemistry	76	955	144	12,6	1,24
Computer Science	-	750	3184	440	4,2	1,04
Computer Science	Computer Science Applications	260	1436	273	5,5	1,07
Computer Science	General Computer Science	191	648	106	3,4	1,07
Computer Science	Computer Networks and Communications	160	543	98	3,4	1,23
Computer Science	Information Systems	88	375	64	4,3	1,38
Computer Science	Hardware and Architecture	51	226	46	4,4	1,46
Decision Sciences	-	93	343	75	3,7	1,11
Dentistry	-	133	1173	131	8,8	1,63
Dentistry	General Dentistry	63	705	94	11,2	1,82
Dentistry	Oral Surgery	53	355	67	6,7	1,37
Earth and Planetary Sciences	-	730	19590	338	26,8	2,33
Earth and Planetary Sciences	Space and Planetary Science	353	16755	109	47,5	3,53
Earth and Planetary Sciences	Geophysics	104	825	87	7,9	1,04
Earth and Planetary Sciences	Geology	95	843	73	8,9	1,53
Earth and Planetary Sciences	Earth-Surface Processes	79	633	70	8	1,3
Energy	-	293	2686	252	9,2	1,46
Energy	Energy Engineering and Power Technology	170	1307	105	7,7	1,72
Energy	Renewable Energy, Sustainability and the Environment	102	1327	94	13	1,83
Energy	General Energy	75	631	122	8,4	1,06
Engineering	-	1290	12358	806	9,6	1,71

Engineering	Electrical and Electronic Engineering	371	2614	246	7	1,35
Engineering	Mechanical Engineering	194	1847	172	9,5	1,81
Engineering	Civil and Structural Engineering	169	1561	91	9,2	1,82
Engineering	Control and Systems Engineering	153	1060	107	6,9	1,22
Engineering	Engineering (miscellaneous)	147	3038	110	20,7	3,32
Engineering	Mechanics of Materials	135	1614	139	12	2,31
Engineering	Biomedical Engineering	133	1042	212	7,8	1,19
Engineering	General Engineering	109	1542	158	14,1	2,46
Engineering	Building and Construction	86	848	57	9,9	2,09
Engineering	Ocean Engineering	61	273	48	4,5	1,01
Engineering	Industrial and Manufacturing Engineering	53	502	84	9,5	1,15
Environmental Science	-	397	4044	362	10,2	1,3
Environmental Science	Environmental Chemistry	93	1203	137	12,9	1,27
Environmental Science	Pollution	85	925	107	10,9	1,12
Environmental Science	Environmental Engineering	81	623	100	7,7	1,05
Environmental Science	General Environmental Science	72	674	109	9,4	1,07
Environmental Science	Ecology	65	611	70	9,4	1,4
Environmental Science	Water Science and Technology	52	426	64	8,2	1,12
Immunology and Microbiology	-	251	2293	345	9,1	1,11
Immunology and Microbiology	Immunology	130	1432	196	11	1,22
Materials Science	-	672	9853	521	14,7	1,62
Materials Science	General Materials Science	310	6425	315	20,7	2,05
Materials Science	Electronic, Optical and Magnetic Materials	195	1579	208	8,1	1,22
Materials Science	Materials Chemistry	120	1561	146	13	1,44
Materials Science	Surfaces, Coatings and Films	93	911	126	9,8	1,07
Materials Science	Biomaterials	63	556	138	8,8	1,03
Materials Science	Ceramics and Composites	50	691	68	13,8	1,76
Mathematics	-	629	4019	336	6,4	1,51
Mathematics	Applied Mathematics	134	688	89	5,1	1,2
Mathematics	Mathematical Physics	102	1980	82	19,4	3,9
Mathematics	Control and Optimization	77	285	60	3,7	1,5
Mathematics	Analysis	51	231	33	4,5	1,14
Medicine	-	2940	27016	2297	9,2	1,34
Medicine	Cardiology and Cardiovascular Medicine	485	5098	435	10,5	1,42
Medicine	Oncology	319	4573	374	14,3	1,32
Medicine	Radiology, Nuclear Medicine and Imaging	212	2533	307	11,9	1,64
Medicine	General Medicine	211	970	310	4,6	1,18
Medicine	Surgery	207	1547	312	7,5	1,45
Medicine	Neurology (clinical)	161	1272	206	7,9	1,4
Medicine	Hematology	154	1805	205	11,7	1,5
Medicine	Dermatology	135	718	140	5,3	1,36
Medicine	Immunology and Allergy	125	1229	174	9,8	1,1
Medicine	Infectious Diseases	112	989	189	8,8	1,26
Medicine	Pulmonary and Respiratory Medicine	84	795	140	9,5	1,29
Medicine	Gastroenterology	79	758	120	9,6	1,18
Medicine	Pharmacology (medical)	79	610	164	7,7	1,15
Medicine	Endocrinology, Diabetes and Metabolism	72	656	136	9,1	1,13
Medicine	Urology	72	544	48	7,6	1,26
Medicine	Physiology (medical)	71	956	119	13,5	2,29

Medicine	Otorhinolaryngology	70	425	90	6,1	1,54
Medicine	Internal Medicine	61	467	112	7,7	1,29
Medicine	Obstetrics and Gynecology	61	534	71	8,8	1,72
Medicine	Psychiatry and Mental Health	60	601	90	10	1,35
Medicine	Critical Care and Intensive Care Medicine	57	2073	87	36,4	4,49
Medicine	Genetics (clinical)	57	468	64	8,2	1
Multidisciplinary	-	279	5704	389	20,4	1,57
Multidisciplinary	Multidisciplinary	279	5704	389	20,4	1,57
Neuroscience	-	248	1908	289	7,7	1,07
Neuroscience	Neurology	88	677	104	7,7	1,39
Neuroscience	General Neuroscience	65	498	107	7,7	1,02
Nursing	-	120	2275	178	19	2,94
Nursing	Nutrition and Dietetics	70	1780	93	25,4	3,66
Pharmacology, Toxicology and Pharmaceutics	-	345	3465	415	10	1,31
Pharmacology, Toxicology and Pharmaceutics	Drug Discovery	153	1613	211	10,5	1,18
Pharmacology, Toxicology and Pharmaceutics	Pharmacology	150	1391	230	9,3	1,13
Pharmacology, Toxicology and Pharmaceutics	Pharmaceutical Science	102	974	165	9,5	1,19
Pharmacology, Toxicology and Pharmaceutics	Toxicology	50	585	88	11,7	1,36
Physics and Astronomy	-	2113	48173	843	22,8	2,5
Physics and Astronomy	Nuclear and High Energy Physics	546	11461	194	21	2,59
Physics and Astronomy	General Physics and Astronomy	486	9704	363	20	2,21
Physics and Astronomy	Astronomy and Astrophysics	374	16929	113	45,3	3,38
Physics and Astronomy	Physics and Astronomy (miscellaneous)	295	6342	109	21,5	2,62
Physics and Astronomy	Condensed Matter Physics	223	2221	209	10	1,34
Physics and Astronomy	Instrumentation	222	3606	266	16,2	2,96
Psychology	-	191	1247	146	6,5	1
Social Sciences	-	523	1885	454	3,6	1,03
Social Sciences	Transportation	86	402	97	4,7	1,58
Social Sciences	General Social Sciences	65	108	45	1,7	1,08

Tabela 19. Podejmowana tematyka badawcza (topic cluster)¹⁶.

Temat	ID	Liczba publikacji	FWCI	Wskaźnik promienności
Decay; Quarks; Neutrinos	TC.6	728	3,38	98,26
Galaxies; Stars; Planets	TC.1	367	2,34	99,331
Graphene; Carbon Nanotubes; Nanotubes	TC.22	139	2,64	99,866
Gravitation; Black Holes (Astronomy); Models	TC.15	115	5,51	95,85
Tooth; Bone And Bones; Dentin	TC.14	83	1,57	94,177
Atrial Fibrillation; Patients; Catheter Ablation	TC.25	81	2,11	93,641
Percutaneous Coronary Intervention; Patients; Myocardial Infarction	TC.53	76	1,21	91,232
Detectors; High Energy Physics; Readout Systems	TC.560	73	2,79	37,082
Permanent Magnets; Induction Motors; Synchronous Motors	TC.118	72	1,05	86,948
Electric Potential; Electric Inverters; DC-DC Converters	TC.13	69	2,11	98,461
Multiple Myeloma; Amyloidosis; Patients	TC.415	64	1,78	77,242
Beams (Radiation); Accelerators; Free Electron Lasers	TC.426	56	1,91	38,956

¹⁶ Wybrano tematy mające co najmniej 20 publikacji oraz FWCI równy lub większy niż 1.

Coronary Artery Disease; Patients; Echocardiography	TC.268	55	1,64	77,108
Fluorescence; Probes; Supramolecular Chemistry	TC.248	51	1,01	96,921
Lymphoma; Diffuse Large B-Cell Lymphoma; Patients	TC.62	51	1,78	89,558
Wind; Wind Stress; Wind Effects	TC.1226	51	1,86	34,873
X Ray Optics; Phase Contrast; Synchrotron Radiation	TC.746	50	1,93	49,665
Heart Failure; Patients; Brain Natriuretic Peptide	TC.300	50	1,36	81,727
Zircon; Uranium-Lead Dating; Geochronology	TC.2	47	1,03	96,519
Photocatalysis; Photocatalysts; Solar Cells	TC.8	45	1,97	99,933
Earthquakes; Messinian; Landslides	TC.626	45	1,93	47,122
Aortic Valve; Mitral Valve; Aortic Valve Stenosis	TC.243	44	1,04	86,212
Peptides; Antimicrobial Cationic Peptides; Beta-Defensins	TC.1071	43	1,61	73,695
Plasmons; Metamaterials; Surface Plasmon Resonance	TC.47	43	1,35	99,598
Lichens; Soil Crusts; Ascomycota	TC.784	42	1,22	46,586
Wood; Timber; Wood Products	TC.302	40	1,29	73,628
Ligands; Crystal Structure; Organometallics	TC.71	38	1,47	99,197
Pharmaceutical Preparations; Nanoparticles; Tablets	TC.82	38	1,83	96,72
Parkinson Disease; Deep Brain Stimulation; Patients	TC.102	37	1,81	95,181
Ships; Propellers; Hydrodynamics	TC.749	37	1,52	42,972
Masonry Materials; Masonry Construction; Brick	TC.1003	37	1,57	62,985
Genome-Wide Association Study; Single Nucleotide Polymorphism; Genes	TC.592	36	7,74	86,747
Ligands; Ruthenium; Catalysts	TC.75	36	2,71	96,988
Verification; Model Checking; Semantics	TC.96	35	1,44	71,151
Endometriosis; Ovarian Neoplasms; Endometrial Neoplasms	TC.60	35	1,88	87,684
Tree Ring; Trees; Growth Rings	TC.370	35	3,29	84,873
MicroRNAs; Long Untranslated RNA; Neoplasms	TC.219	35	2,18	99,465
Mesothelioma; Asbestos; Neoplasms	TC.682	35	1,07	53,548
Allergic Contact Dermatitis; Hypersensitivity; Skin	TC.579	33	1,4	41,7
Harmonic Generations; Ultrashort Pulses; Laser Pulses	TC.386	32	1,14	68,474
Prostatic Neoplasms; Prostate; Prostatectomy	TC.141	32	1,11	92,169
Rheumatoid Arthritis; Psoriasis; Patients	TC.130	31	1,06	90,027
Melanoma; Skin Neoplasms; Neoplasms	TC.233	31	2,41	82,597
Cells; Neoplasms; Hydrogels	TC.166	30	1,11	96,854
Systemic Lupus Erythematosus; Systemic Scleroderma; Patients	TC.162	30	1,56	85,274
Squamous Cell Carcinoma; Head And Neck Neoplasms; Carcinoma	TC.264	30	1,84	75,569
Exergy; Heat Pump Systems; Rankine Cycle	TC.271	30	1,19	95,649
Hypertrophic Cardiomyopathy; Myosins; Cardiomyopathies	TC.554	30	1,47	53,748
Models; Risks; Finance	TC.54	29	1,22	93,173
Control; Controllers; Linear Matrix Inequalities	TC.9	28	1,12	97,724
Hepacivirus; Hepatitis B Virus; Hepatitis C	TC.58	28	1,96	92,102
Cognitive Radio; MIMO Systems; Orthogonal Frequency Division Multiplexing	TC.3	27	1,39	97,925
Catalysts; Zeolites; Hydrogenation	TC.7	27	2,28	99,531
Orthodontics; Malocclusion; Temporomandibular Joint	TC.236	26	1,51	62,45
Radiation; Tomography; Medical Imaging	TC.245	26	1,98	75,904
Caves; Karst; Speleothem	TC.870	26	1,26	45,582
Blood Platelets; Thrombocytopenia; Platelet Count	TC.630	26	1,69	47,791
Industry; Innovation; Entrepreneurship	TC.24	26	1,2	98,795
Forests; Landscapes; Plants	TC.151	26	1,92	96,051
Alzheimer Disease; Dementia; Amyloid	TC.32	26	1,22	98,527
Electric Power Transmission Networks; Wind Power; Electric Power Distribution	TC.28	25	1,53	99,398
Earthquakes; Seismology; Seismic Response	TC.226	24	1,07	82,396
Glaciers; Holocene; Glacial Geology	TC.103	24	1,18	90,83
Insulin; Type 2 Diabetes Mellitus; Glucose	TC.46	24	1,94	97,055

Identification (Control Systems); Models; Algorithms	TC.864	23	1,63	44,311
Magnetic Fields; Ionospheres; Sunspots	TC.31	23	1,08	87,282
Hypertension; Rats; Baroreflex	TC.804	23	1,16	24,699
Mammoplasty; Free Tissue Flaps; Perforator Flap	TC.321	23	1,71	59,973
Traffic Control; Transportation; Models	TC.107	23	1,19	96,787
Flora; Grasslands; Italy	TC.706	23	1,38	27,443
Computer Crime; Network Security; Intrusion Detection	TC.218	23	1,81	94,444
Students; Medical Students; Education	TC.43	22	1,34	94,378
Sepsis; Acute Kidney Injury; Patients	TC.251	22	1,98	85,676
Non-Small-Cell Lung Carcinoma; Lung Neoplasms; Patients	TC.124	22	1,23	94,645
Radar; Ultra-Wideband (UWB); Microwaves	TC.1084	22	1,13	45,382
Manifold; Curvature; Metric	TC.158	21	1,42	69,88
Lipases; Biocatalysts; Biocatalysis	TC.323	21	1,14	86,546
Data Mining; Algorithms; Association Rules	TC.846	21	3,13	48,594
Macroalgae; Rhodophycota; Seaweed	TC.454	21	1,96	74,699
Women; Erectile Dysfunction; Testosterone	TC.194	21	1,59	72,691
Neoplasms; Breast Neoplasms; Cells	TC.535	21	2,23	74,297
Stroke; Patients; Cerebral Hemorrhage	TC.138	20	1,84	89,023

Tabela 20. Wykaz dyscyplin, w ramach których powstały najczęściej cytowane publikacje (Outputs in Top Citation Percentiles)¹⁷.

Liczba publikacji z lat 2015–2019 w top 10% - 1964

Nazwa dyscypliny	Liczba publikacji	Nazwa dyscypliny	Liczba publikacji
Accounting	1	Genetics (clinical)	9
Advanced and Specialized Nursing	3	Geochemistry and Petrology	7
Aerospace Engineering	5	Geography, Planning and Development	8
Aging	6	Geology	19
Agricultural and Biological Sciences (miscellaneous)	2	Geophysics	12
Agronomy and Crop Science	3	Geotechnical Engineering and Engineering Geology	3
Algebra and Number Theory	1	Geriatrics and Gerontology	4
Analysis	2	Global and Planetary Change	5
Analytical Chemistry	24	Hardware and Architecture	5
Anatomy	2	Health (social science)	2
Anesthesiology and Pain Medicine	5	Health Policy	1
Animal Science and Zoology	1	Health, Toxicology and Mutagenesis	9
Anthropology	1	Hematology	44
Applied Mathematics	14	Hepatology	13
Applied Microbiology and Biotechnology	3	Histology	3
Applied Psychology	2	Human-Computer Interaction	1
Aquatic Science	10	Immunology	35
Archeology	4	Immunology and Allergy	23
Archeology (arts and humanities)	4	Industrial and Manufacturing Engineering	8
Architecture	6	Infectious Diseases	14
Artificial Intelligence	3	Information Systems	8
Arts and Humanities (miscellaneous)	1	Inorganic Chemistry	31
Astronomy and Astrophysics	155	Insect Science	1
Atmospheric Science	6	Instrumentation	33
Atomic and Molecular Physics, and Optics	13	Internal Medicine	13

¹⁷ Szczegółowy wykaz publikacji z top 10% znajduje się w dodatkowym pliku pt: University of Trieste_top10.xlsx

Automotive Engineering	4	Issues, Ethics and Legal Aspects	1
Behavioral Neuroscience	2	Library and Information Sciences	1
Biochemistry	74	Life-span and Life-course Studies	1
Biochemistry (medical)	5	Management of Technology and Innovation	2
Bioengineering	25	Management Science and Operations Research	2
Biological Psychiatry	1	Management, Monitoring, Policy and Law	7
Biomaterials	14	Marketing	2
Biomedical Engineering	21	Materials Chemistry	34
Biophysics	13	Mathematical Physics	18
Biotechnology	19	Mechanical Engineering	38
Building and Construction	23	Mechanics of Materials	34
Business and International Management	2	Medicine (miscellaneous)	6
Cancer Research	57	Metals and Alloys	12
Cardiology and Cardiovascular Medicine	100	Microbiology	10
Catalysis	83	Microbiology (medical)	7
Cell Biology	41	Modeling and Simulation	9
Cellular and Molecular Neuroscience	5	Molecular Biology	52
Ceramics and Composites	17	Molecular Medicine	28
Chemical Engineering (miscellaneous)	3	Multidisciplinary	73
Chemistry (miscellaneous)	8	Nature and Landscape Conservation	7
Civil and Structural Engineering	38	Nephrology	5
Clinical Biochemistry	13	Neurology	21
Clinical Psychology	2	Neurology (clinical)	32
Cognitive Neuroscience	4	Neuropsychology and Physiological Psychology	2
Colloid and Surface Chemistry	17	Nuclear and High Energy Physics	247
Computational Mathematics	5	Nuclear Energy and Engineering	7
Computational Mechanics	2	Numerical Analysis	3
Computational Theory and Mathematics	5	Nutrition and Dietetics	15
Computer Networks and Communications	4	Obstetrics and Gynecology	12
Computer Science (miscellaneous)	1	Ocean Engineering	2
Computer Science Applications	34	Oceanography	5
Computer Vision and Pattern Recognition	2	Oncology	86
Computers in Earth Sciences	1	Ophthalmology	1
Condensed Matter Physics	41	Oral Surgery	8
Control and Optimization	4	Organic Chemistry	56
Control and Systems Engineering	17	Orthodontics	2
Critical Care and Intensive Care Medicine	22	Orthopedics and Sports Medicine	8
Dentistry (miscellaneous)	1	Otorhinolaryngology	6
Dermatology	12	Paleontology	1
Development	1	Pathology and Forensic Medicine	6
Developmental and Educational Psychology	4	Pediatrics, Perinatology and Child Health	12
Developmental Biology	5	Pharmaceutical Science	22
Drug Discovery	39	Pharmacology	27
Earth-Surface Processes	13	Pharmacology (medical)	5
Earth and Planetary Sciences (miscellaneous)	3	Pharmacology, Toxicology and Pharmaceutics (miscellaneous)	1
Ecological Modeling	1	Physical and Theoretical Chemistry	56
Ecology	10	Physics and Astronomy (miscellaneous)	121
Ecology, Evolution, Behavior and Systematics	30	Physiology	33
Economics and Econometrics	9	Physiology (medical)	21
Education	1	Plant Science	34
Electrical and Electronic Engineering	50	Pollution	21
Electrochemistry	3	Polymers and Plastics	10

Electronic, Optical and Magnetic Materials	25	Process Chemistry and Technology	15
Emergency Medicine	3	Psychiatric Mental Health	1
Endocrine and Autonomic Systems	1	Psychiatry and Mental Health	10
Endocrinology	9	Public Health, Environmental and Occupational Health	6
Endocrinology, Diabetes and Metabolism	12	Pulmonary and Respiratory Medicine	17
Energy (miscellaneous)	2	Radiation	5
Energy Engineering and Power Technology	19	Radiological and Ultrasound Technology	7
Engineering (miscellaneous)	55	Radiology, Nuclear Medicine and Imaging	42
Environmental Chemistry	26	Rehabilitation	2
Environmental Engineering	11	Renewable Energy, Sustainability and the Environment	21
Environmental Science (miscellaneous)	2	Reproductive Medicine	4
Epidemiology	5	Rheumatology	8
Experimental and Cognitive Psychology	2	Safety, Risk, Reliability and Quality	6
Family Practice	1	Sensory Systems	1
Finance	4	Signal Processing	3
Fluid Flow and Transfer Processes	6	Social Psychology	2
Food Science	13	Social Sciences (miscellaneous)	2
Fuel Technology	8	Sociology and Political Science	3
Gastroenterology	12	Software	10
Gender Studies	2	Soil Science	2
General Agricultural and Biological Sciences	21	Space and Planetary Science	149
General Biochemistry, Genetics and Molecular Biology	66	Spectroscopy	14
General Chemical Engineering	17	Statistical and Nonlinear Physics	2
General Chemistry	127	Statistics and Probability	5
General Computer Science	5	Strategy and Management	3
General Decision Sciences	1	Stratigraphy	2
General Dentistry	14	Structural Biology	5
General Earth and Planetary Sciences	9	Surfaces and Interfaces	1
General Energy	16	Surfaces, Coatings and Films	17
General Engineering	20	Surgery	32
General Environmental Science	10	Theoretical Computer Science	5
General Immunology and Microbiology	8	Tourism, Leisure and Hospitality Management	2
General Materials Science	102	Toxicology	7
General Mathematics	1	Transplantation	3
General Medicine	18	Transportation	3
General Neuroscience	14	Urban Studies	1
General Nursing	3	Urology	9
General Pharmacology, Toxicology and Pharmaceutics	4	Virology	3
General Physics and Astronomy	142	Waste Management and Disposal	6
General Psychology	3	Water Science and Technology	8
Genetics	57		

Tabela 21. Współpraca zagraniczna z 10 polskimi instytucjami

Nazwa instytucji	Liczba wspólnych publikacji	Liczba cytowań
University of Warsaw	667	28684
National Centre for Nuclear Research	604	19324
Warsaw University of Technology	398	11890

Institute of Electron Technology	369	11318
Polish Academy of Sciences	115	11902
University of Łódź	59	1908
Nicolaus Copernicus Astronomical Center of the Polish Academy of Sciences	57	9735
The Henryk Niewodniczanski Institute of Nuclear Physics of the Polish Academy of Sciences	52	3351
Jagiellonian University in Kraków	38	3852
AGH University of Science and Technology	36	1830

Vytauto Didžiojo universitetas (Vytautas Magnus University)

Strony internetowe: [Strona główna \(eng\)](#); [ResearchGate](#); [Google Scholar](#)

Dane ogólne:

Liczba publikacji (scholarly output) – 1 866

Field-Weighted Citation Impact – 0,75

H5 Index – 30

Miejsce w rankingach:

801-1000 (QS)

Dziedziny:

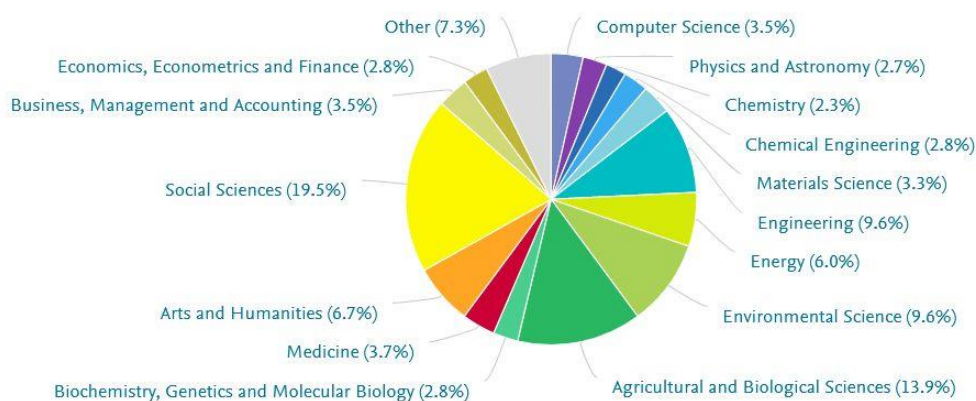


Tabela 22. Uprawiane na Uniwersytecie dyscypliny¹⁸ o wskaźniku Field-Weighted Citation Impact wyższym niż 1.

Dziedzina (Subject Area)	Dyscyplina (Subcategory)	Liczba publikacji	Liczba cytowań	Liczba autorów	Liczba cytowań na publikację	Field-weighted Citation Impact
Agricultural and Biological Sciences	Forestry	91	665	97	7,3	1,31
Agricultural and Biological Sciences	Ecology, Evolution, Behavior and Systematics	57	478	46	8,4	1,17
Agricultural and Biological Sciences	Plant Science	45	364	78	8,1	1,33
Agricultural and Biological Sciences	General Agricultural and Biological Sciences	20	103	35	5,2	1,16
Agricultural and Biological Sciences	Insect Science	11	93	15	8,5	1,29

¹⁸ Wzięto pod uwagę tylko te dyscypliny, w ramach których powstało co najmniej 10 publikacji.

Biochemistry, Genetics and Molecular Biology	Biochemistry	32	317	57	9,9	1,03
Chemistry	Analytical Chemistry	15	150	28	10	1,4
Chemistry	Organic Chemistry	12	121	35	10,1	1,07
Economics, Econometrics and Finance	Economics and Econometrics	46	295	54	6,4	1,12
Energy	Energy Engineering and Power Technology	23	220	35	9,6	1,16
Energy	General Energy	17	216	24	12,7	1,3
Energy	Fuel Technology	12	168	18	14	1
Engineering	Control and Systems Engineering	21	51	26	2,4	1,03
Engineering	Building and Construction	11	169	21	15,4	1,43
Environmental Science	-	315	2994	284	9,5	1,25
Environmental Science	Ecology	64	443	86	6,9	1,02
Environmental Science	General Environmental Science	56	855	62	15,3	1,76
Environmental Science	Health, Toxicology and Mutagenesis	56	476	73	8,5	1,19
Environmental Science	Environmental Chemistry	37	285	73	7,7	1,02
Environmental Science	Nature and Landscape Conservation	33	197	59	6	1,13
Health Professions	-	13	75	14	5,8	1,34
Health Professions	Physical Therapy, Sports Therapy and Rehabilitation	11	61	7	5,5	1,29
Immunology and Microbiology	-	31	322	46	10,4	1,18
Immunology and Microbiology	Parasitology	11	82	19	7,5	1,49
Materials Science	Materials Chemistry	23	301	35	13,1	1,3
Materials Science	Polymers and Plastics	15	134	29	8,9	1,08
Mathematics	General Mathematics	24	57	25	2,4	1,13
Medicine	-	121	1103	116	9,1	1,66
Medicine	Public Health, Environmental and Occupational Health	45	514	33	11,4	2,16
Medicine	General Medicine	16	107	34	6,7	1,51
Medicine	Infectious Diseases	16	118	22	7,4	1,17
Physics and Astronomy	General Physics and Astronomy	22	27	27	1,2	1,04
Social Sciences	Geography, Planning and Development	52	307	63	5,9	1,28
Social Sciences	Social Sciences (miscellaneous)	24	224	31	9,3	1,02
Social Sciences	Health (social science)	12	138	14	11,5	3,35

Tabela 23. Podejmowana tematyka badawcza (topic cluster)¹⁹.

Temat	ID	Liczba publikacji	FWCI	Wskaźnik prominencji
Fires; Forests; Wildfires	TC.278	43	2,39	74,632
Electricity; Energy; Economics	TC.81	31	1	99,264
Tree Ring; Trees; Growth Rings	TC.370	25	1,56	84,873
Industry; Innovation; Entrepreneurship	TC.24	22	1,14	98,795
Buildings; Design; Urban Planning	TC.857	20	3,61	66,801
Particulate Matter; Air Pollution; Air Pollutants	TC.431	15	1,93	92,771
Language; Reading; Semantics	TC.88	13	2,02	88,153
Wastes; Solid Wastes; Municipal Solid Waste	TC.703	11	2,71	87,015
Remote Sensing; Image Classification; Satellite Imagery	TC.153	10	1,35	97,122
Chitosan; Chitin; Chitinase	TC.1065	10	1,09	64,19
Family; Woman; Marriage	TC.500	9	1,53	54,953

¹⁹ Wybrano tematy mające co najmniej 5 publikacji oraz FWCI równy lub większy niż 1.

Agricultural Machinery; Harvesters; Meters (Equipment)	TC.1440	8	1,31	18,474
Microfluidics; Fluidic Devices; Microchannels	TC.197	8	1,05	93,842
Birds; Nests; Seabirds	TC.41	8	1,58	87,149
Forest; Deforestation; Conservation	TC.663	7	1,15	77,845
Life Cycle; Sustainable Development; Sustainability	TC.812	7	1,36	85,743
Monetary Policy; Economic Growth; Exports	TC.21	7	1,07	93,507
Health; Socioeconomic Factors; Mortality	TC.537	7	1,25	70,013
Algae; Microalgae; Biodiesel	TC.517	6	2,04	92,503
Electric Power Transmission Networks; Wind Power; Electric Power Distribution	TC.28	6	1,42	99,398
Gambling; Internet; Students	TC.555	6	1,21	89,826
Formicidae; Hymenoptera; Ant	TC.260	6	1,54	81,928
Drying; Moisture Determination; Thermal Processing (Foods)	TC.405	6	1,44	79,92
Metabolomics; Metabolome; Mass Spectrometry	TC.858	6	8,17	83,936
Ecosystem Services; Willingness To Pay; Valuation	TC.955	6	1,06	83,668
Earthworms; Collembola; Soil Fauna	TC.1050	5	1,96	47,925
Honey; Propolis; Antioxidants	TC.1300	5	1,32	58,969
Polypropylenes; Lactic Acid; Blending	TC.69	5	1,76	96,118
Electromagnetic Fields; Cellular Phone; Electromagnetic Radiation	TC.640	5	1,71	49,197

Tabela 24. Wykaz dyscyplin, w ramach których powstały najczęściej cytowane publikacje (Outputs in Top Citation Percentiles)²⁰.

Liczba publikacji z lat 2015–2019 w top 10% - 137

Nazwa dyscypliny	Liczba publikacji	Nazwa dyscypliny	Liczba publikacji
Agronomy and Crop Science	4	General Physics and Astronomy	1
Analytical Chemistry	4	General Veterinary	1
Animal Science and Zoology	1	Genetics	1
Applied Microbiology and Biotechnology	3	Geography, Planning and Development	9
Applied Psychology	1	Health (social science)	3
Biochemistry	5	Health Policy	1
Bioengineering	1	Health, Toxicology and Mutagenesis	12
Biological Psychiatry	1	History and Philosophy of Science	1
Biomaterials	1	Human-Computer Interaction	1
Biophysics	2	Industrial and Manufacturing Engineering	13
Biotechnology	3	Infectious Diseases	1
Building and Construction	5	Insect Science	1
Business and International Management	1	Language and Linguistics	1
Cancer Research	1	Law	1
Cardiology and Cardiovascular Medicine	2	Life-span and Life-course Studies	1
Cell Biology	1	Linguistics and Language	1
Cellular and Molecular Neuroscience	1	Management, Monitoring, Policy and Law	13
Civil and Structural Engineering	4	Materials Chemistry	2
Clinical Psychology	1	Mechanical Engineering	7
Colloid and Surface Chemistry	1	Mechanics of Materials	1
Complementary and Alternative Medicine	1	Medicine (miscellaneous)	1
Computer Networks and Communications	2	Molecular Biology	3
Condensed Matter Physics	3	Molecular Medicine	1
Control and Systems Engineering	1	Multidisciplinary	3

²⁰ Szczegółowy wykaz publikacji z top 10% znajduje się w dodatkowym pliku pt: Vytatuas Magnus University_top10.xlsx

Demography	3	Nature and Landscape Conservation	3
Development	1	Nuclear Energy and Engineering	4
Drug Discovery	1	Oncology	1
Ecological Modeling	1	Organic Chemistry	1
Ecology	8	Orthopedics and Sports Medicine	2
Ecology, Evolution, Behavior and Systematics	6	Parasitology	1
Economics and Econometrics	5	Pediatrics, Perinatology and Child Health	1
Education	1	Pharmaceutical Science	1
Electrical and Electronic Engineering	4	Pharmacology	1
Electrochemistry	1	Physical and Theoretical Chemistry	2
Energy (miscellaneous)	1	Physical Therapy, Sports Therapy and Rehabilitation	2
Energy Engineering and Power Technology	5	Physiology	1
Engineering (miscellaneous)	1	Plant Science	3
Environmental Chemistry	7	Pollution	10
Environmental Engineering	8	Polymers and Plastics	1
Environmental Science (miscellaneous)	1	Psychiatry and Mental Health	1
Epidemiology	2	Public Health, Environmental and Occupational Health	17
Food Science	8	Renewable Energy, Sustainability and the Environment	21
Forestry	9	Safety Research	1
Fuel Technology	5	Safety, Risk, Reliability and Quality	2
General Agricultural and Biological Sciences	1	Social Psychology	1
General Biochemistry, Genetics and Molecular Biology	1	Social Sciences (miscellaneous)	1
General Business, Management and Accounting	2	Sociology and Political Science	2
General Chemical Engineering	3	Soil Science	3
General Chemistry	4	Strategy and Management	6
General Computer Science	1	Structural Biology	2
General Decision Sciences	1	Surfaces and Interfaces	3
General Energy	4	Surfaces, Coatings and Films	2
General Environmental Science	16	Toxicology	1
General Medicine	3	Waste Management and Disposal	8

Tabela 25. Współpraca zagraniczna z 10 polskimi instytucjami

Nazwa instytucji	Liczba wspólnych publikacji	Liczba cytowań
Warsaw University of Life Sciences	26	316
University of Agriculture in Krakow	15	519
University of Warsaw	14	80
University of Warmia and Mazury in Olsztyn	8	19
Silesian University of Technology	7	199
Polish Academy of Sciences	6	43
Adam Mickiewicz University in Poznań	5	30
Institute of Technology and Life Sciences	5	1
Maria Curie-Skłodowska University	5	6
National Centre for Nuclear Research	5	6