



Otwarta nauka jako przedmiot badań

Analiza bibliometryczna

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Elsevier

Co przed nami

- Początek
- Nasze podejście
- Publikacje, cytowania i inne metryki
- Wnioski

Początek



Education is the key to 'open' science

SIR: I was intrigued by the leader article by Professor Racker on the subject of Science *for* people'. Professor Racker appeals to the fear that probably lurks in most civilized and affluent societies, that of returning to 'the way things were'. While agreeing that science should be opened up to the people, I must first disagree with the tone of his article.

First, though life may have been very uncomfortable prior to all the medical advances mentioned in his article, nevertheless many people did survive these conditions to propagate the species. I think that environmentalists are worried that either one significant event (e.g. possible depletion of the ozone layer by aerosol sprays) or an accumulation of pollution events, will lead at least to a drastic modification of human life as we know it at present, if not its complete extermination. He mentions and dismisses solar energy as a means of solving our energy problems in the future. Like Professor Racker, I am not an expert in this field. I believe however

that one of the main problems with its widespread use is the labour costs involved in building and installing such units. In this case why are we not teaching our sons and daughters in high school the principles behind the construction and use of various types of solar energy converters?

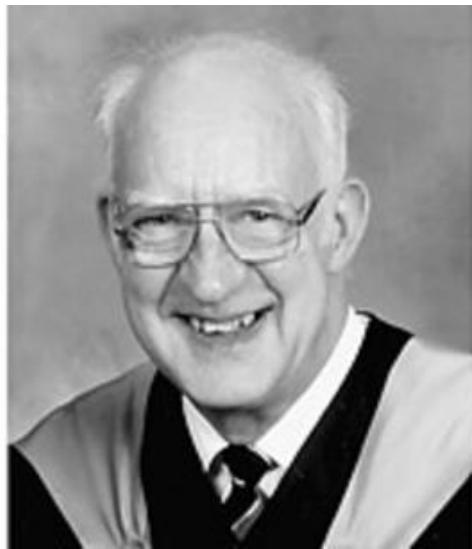
Much has been written in recent years about the lack of communication between scientists and the public. What I would like to see take place is an education of the masses to make them more aware of the problems immediately around them, energy, pollution and waste disposal etc. I think this awareness should then be increased to admit that there are people in other lands that have problems at least as great if not greater than ours. I thoroughly agree that the public should have a much greater awareness of what science is doing to solve these problems. If enough honest communication is established between scientists and the public, it must inevitably lead to a knowledge of what science is not doing to solve these problems. For example, how relatively small is the amount

of money and effort going to solve problems of famine and pollution, compared with the amounts put into more obscure problems in all of the sciences?

Personally, I feel that it would be good for the scientific community to make it more open and public. First of all however there must come the need on the part of the public to want this information. This interest surely can only come about if it is as important to the schools to teach about the work and philosophy of Einstein, Fleming and for that matter Dow Corning, as it is about past presidents, wars, and political institutions. All of my suggestions may mean some revision of the school curriculum, but in Canada at any rate this is long overdue, and I believe similar comments apply to the American school system.

P. D. SHARGOOL

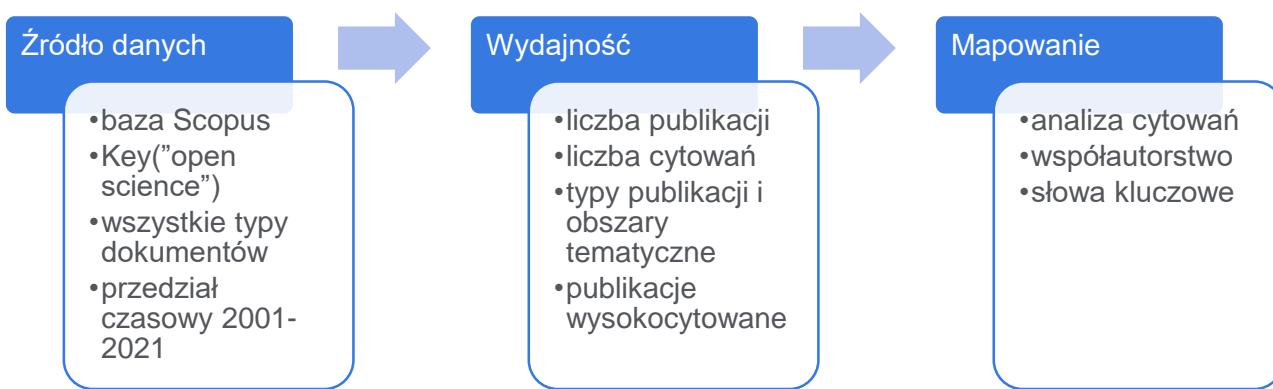
Associate Professor of Biochemistry, University of Saskatchewan, Saskatoon, Canada S7N 0W0.



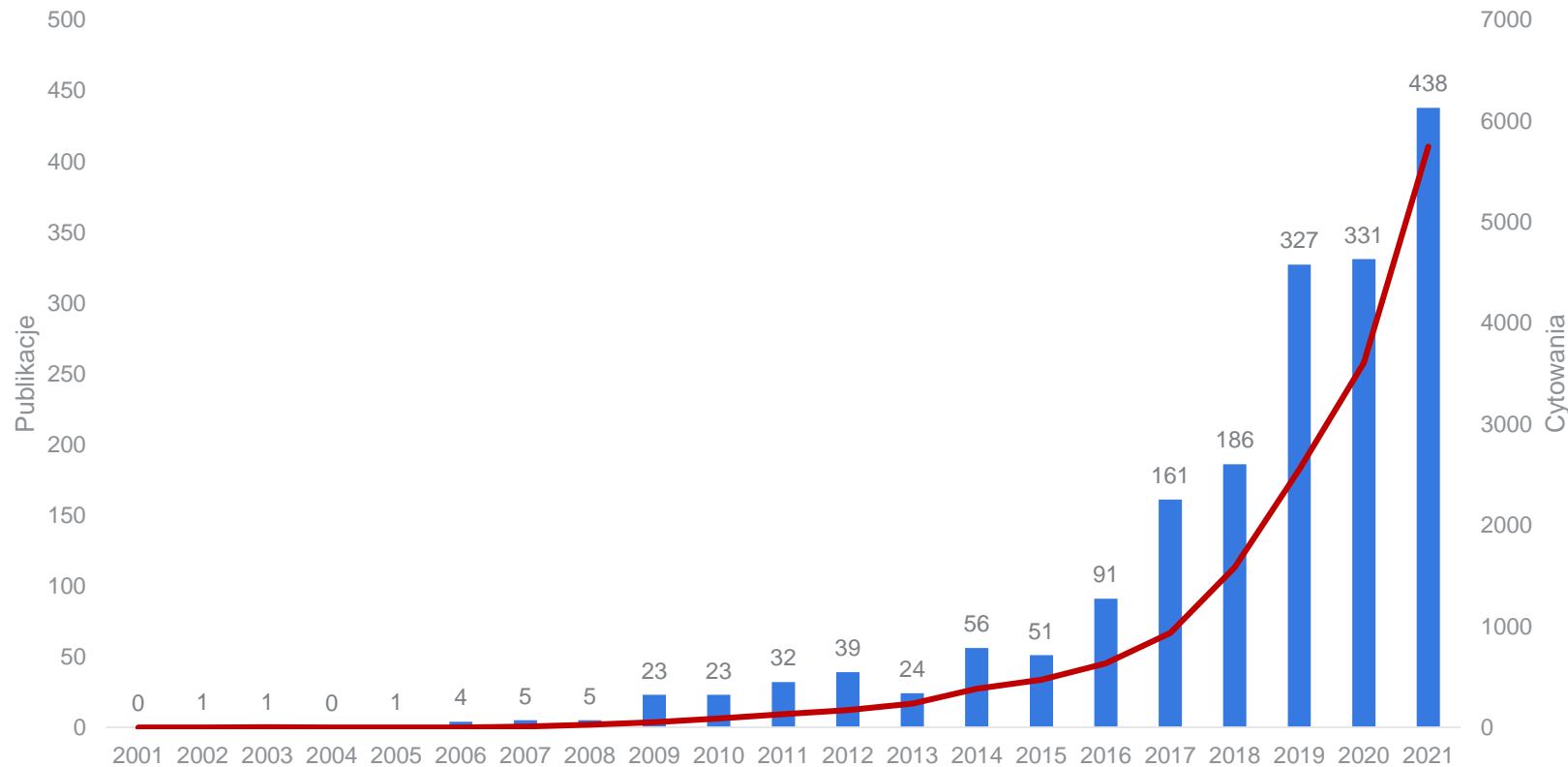
Dr. Peter Douglas Shargool (1935-2008)

Shargool, P.D. 1979, "Education is the key to 'open' science", Trends in biochemical sciences, vol. 4, no. 3.

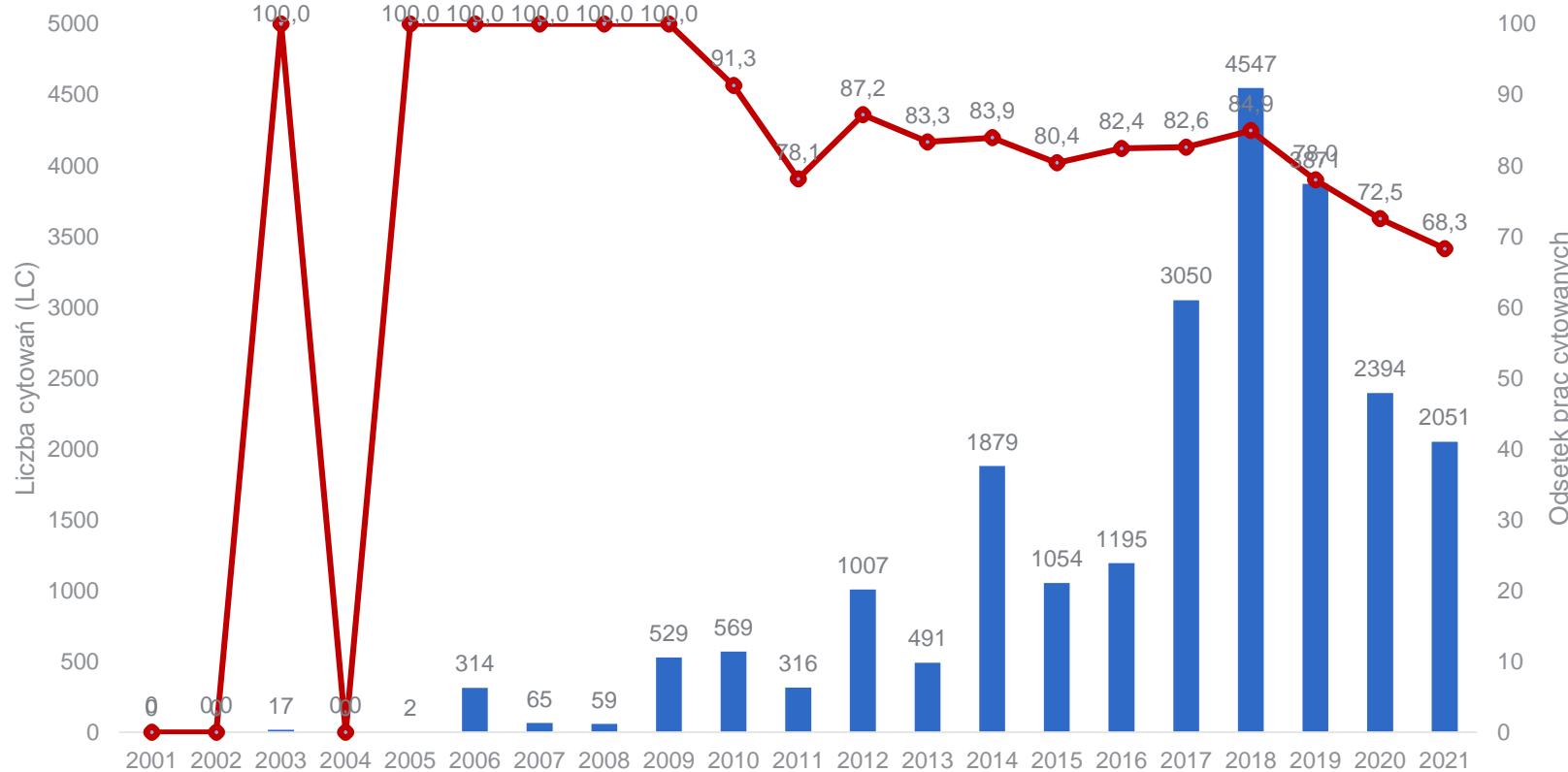
Nasze podejście



Publikacje i cytowania (wszystkie typy)

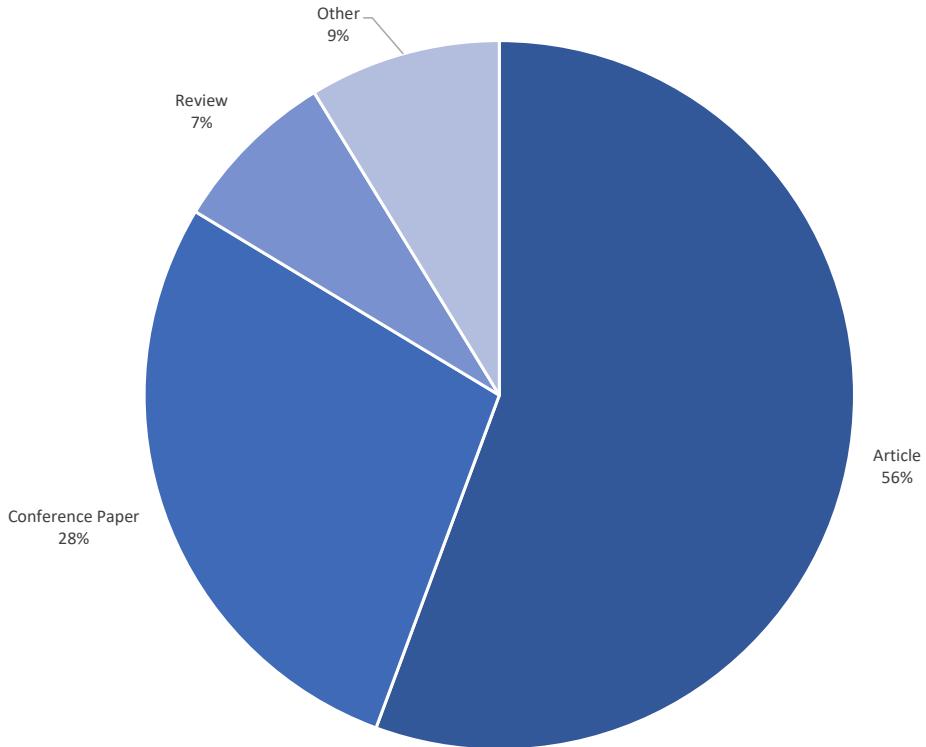


Cytowania i cytowalność



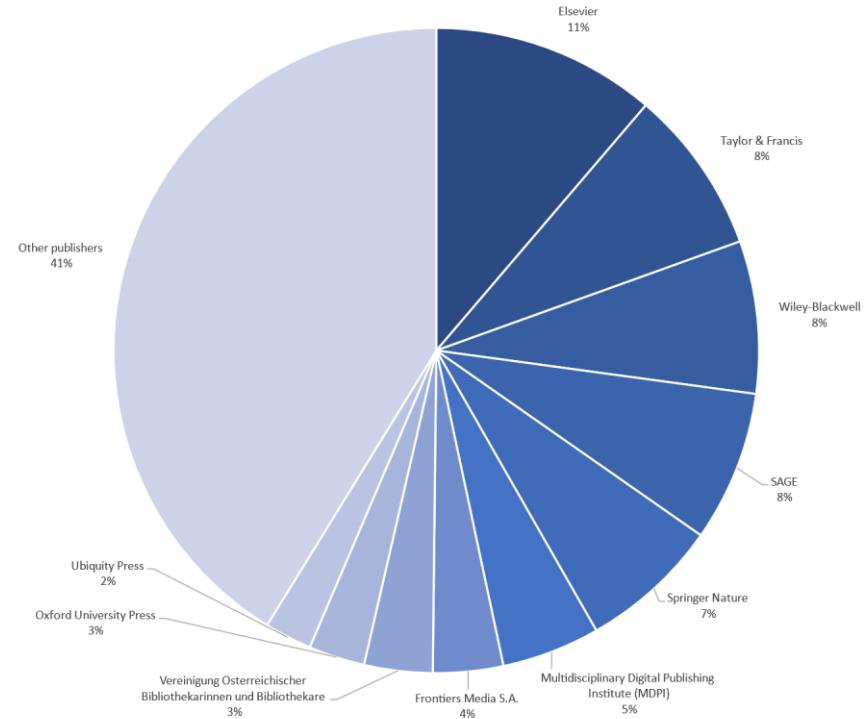
Typy publikacji

Typ publikacji	LP	%
Article	1001	55,6
Conference Paper	504	28,0
Review	137	7,6
Pozostałe	157	8,7



Wiodący wydawcy (tylko czasopisma)

#	Wydawca	LP	%
1	Elsevier	128	11,2
2	Taylor & Francis	94	8,3
3	Wiley-Blackwell	87	7,6
4	SAGE	86	7,6
5	Springer Nature	80	7,0
6	Multidisciplinary Digital Publishing Institute (MDPI)	56	4,9
7	Frontiers Media S.A.	40	3,5
8	Vereinigung Österreichischer Bibliothekarinnen und Bibliothekare	39	3,4
9	Oxford University Press	32	2,8
10	Ubiquity Press	27	2,4
Pozostali wydawcy		469	41,2

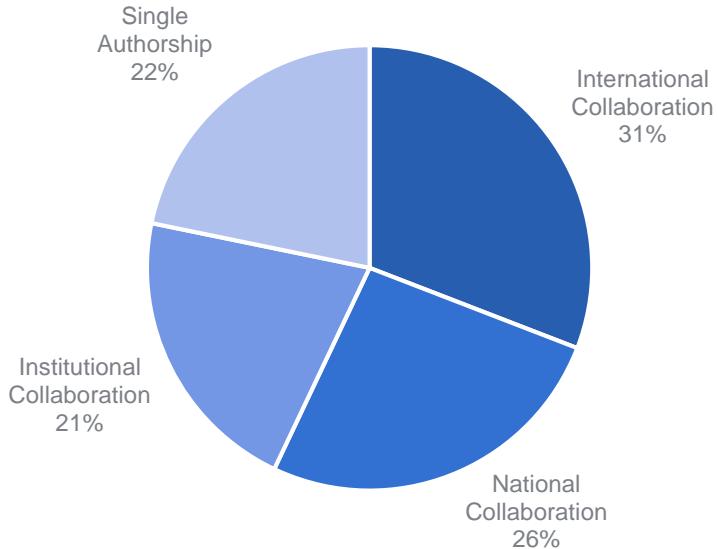


Wiodące kraje i ośrodki badawcze

#	Kraj	LP	%
1	United States	694	22,3
2	Germany	280	9,0
3	United Kingdom	265	8,5
4	Netherlands	165	5,3
5	Canada	144	4,6
6	Italy	141	4,5
7	Spain	126	4,0
8	France	112	3,6
9	Australia	99	3,2
10	Austria	80	2,6

#	Instytucja	Kraj	LP	%
1	Consiglio Nazionale delle Ricerche	Włochy	39	1,3
2	Université McGill	Kanada	34	1,1
3	CNRS Centre National de la Recherche Scientifique	Francja	34	1,1
4	University of Oxford	Wielka Brytania	34	1,1
5	Universiteit van Amsterdam	Holandia	33	1,1
6	University of California, Berkeley	USA	33	1,1
7	University of Toronto	Kanada	32	1,0
8	University of California, San Diego	USA	32	1,0
9	Stanford University	USA	30	1,0
10	Indiana University Bloomington	USA	30	1,0

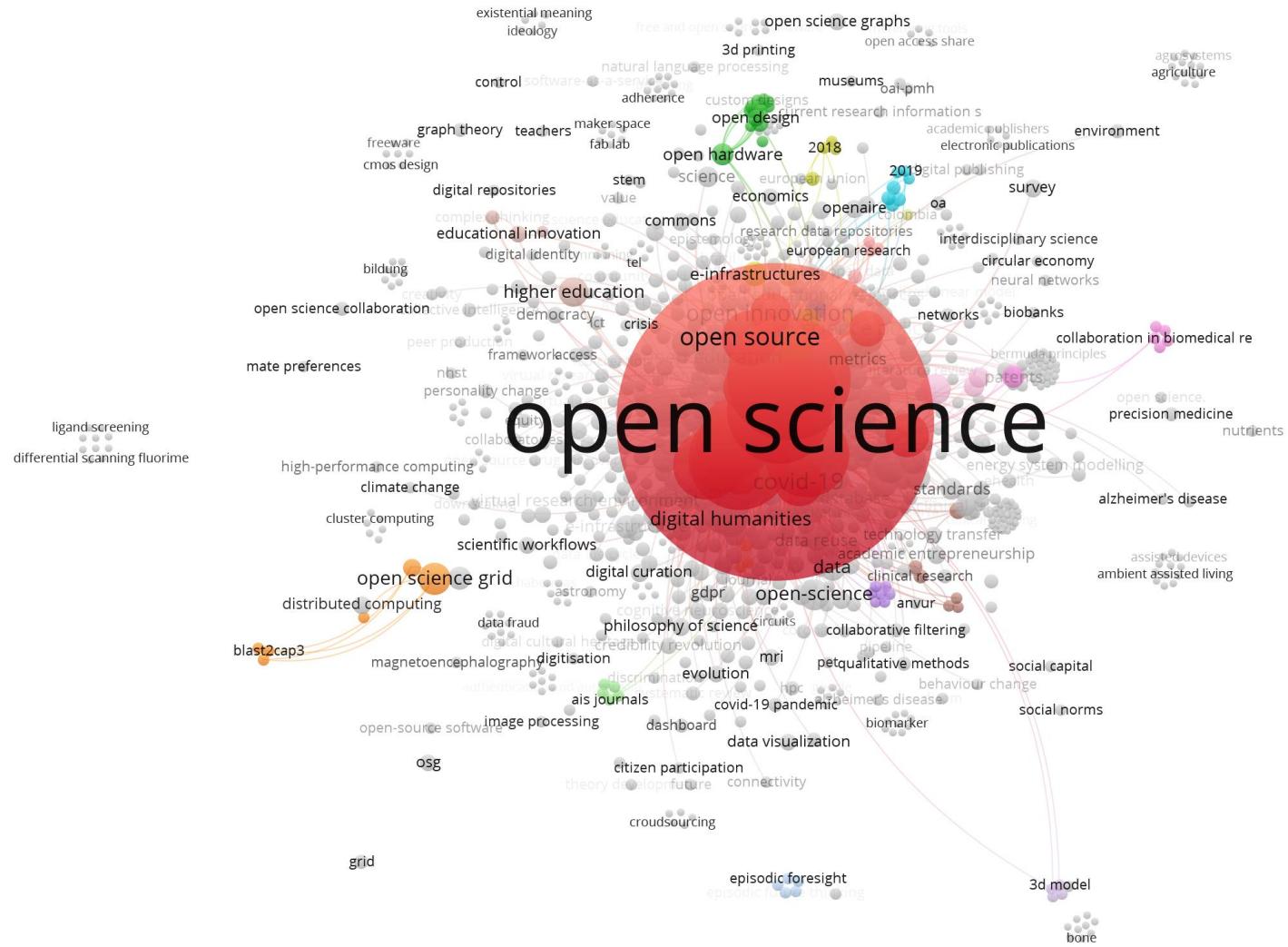
Współpraca oraz obszary wg ASJC



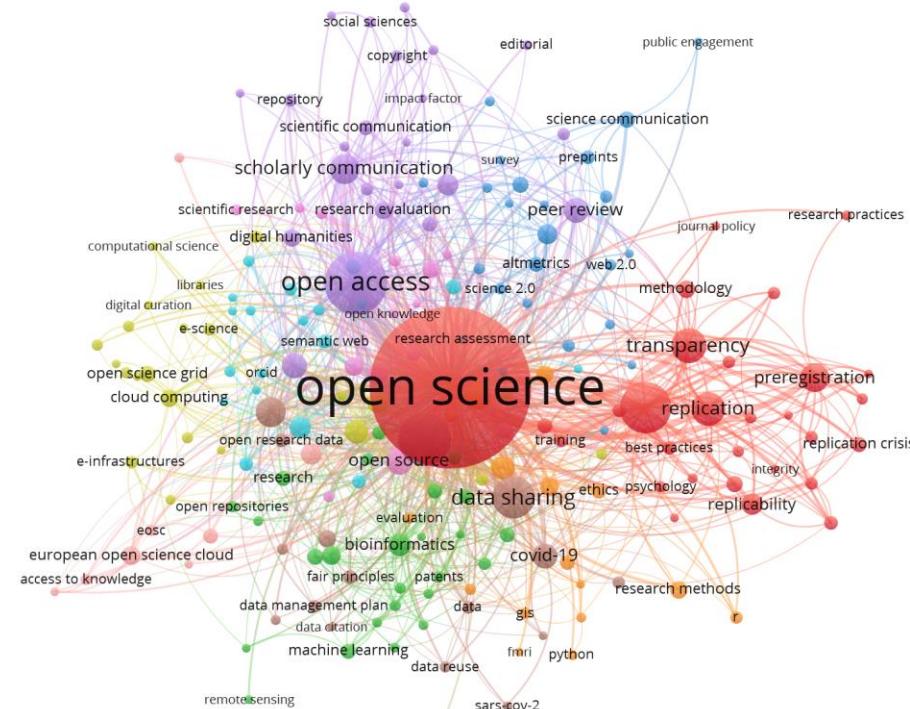
#	Obszar ASJC	LP
1	Computer Science	680
2	Social Sciences	580
3	Psychology	205
4	Medicine	182
5	Engineering	165
6	Arts and Humanities	149
7	Biochemistry, Genetics and Molecular Biology	143
8	Business, Management and Accounting	129
9	Mathematics	127
10	Environmental Science	114

Słowa kluczowe, top 40

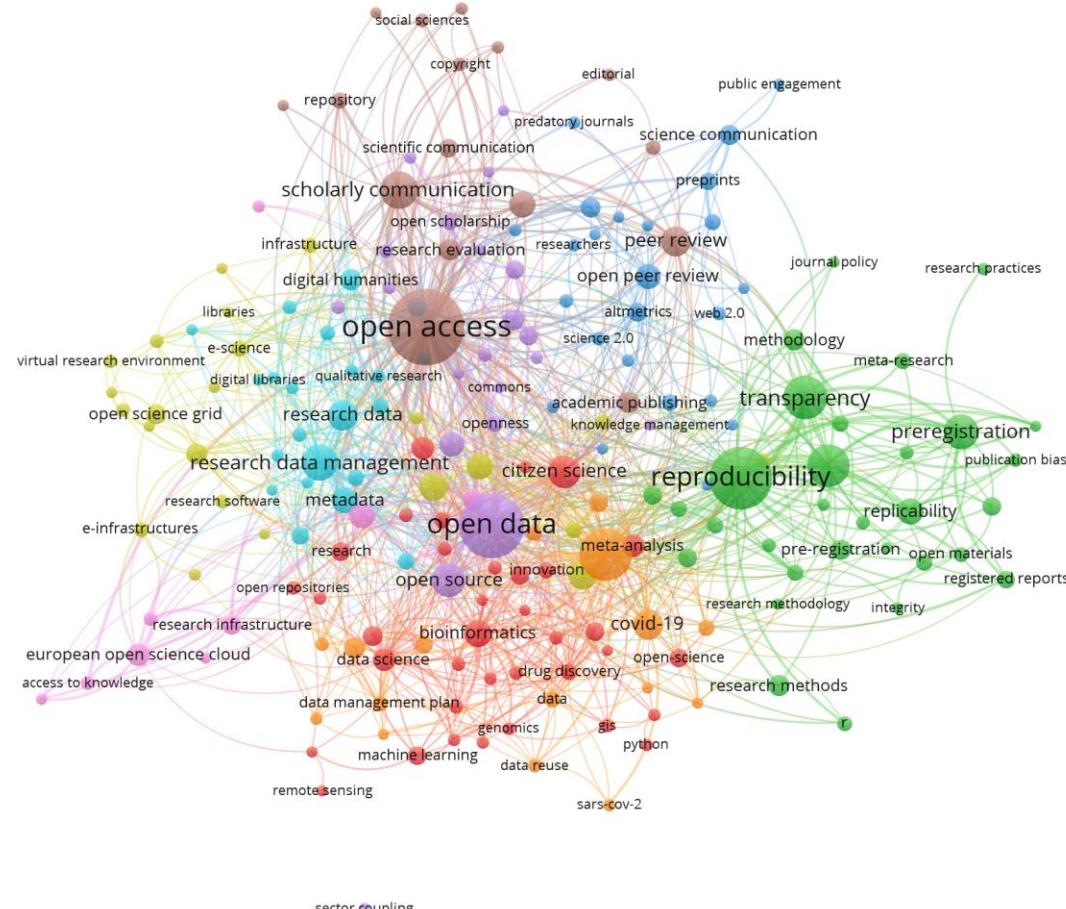
#	Keywords	LP	#	Keywords	LP
1	Open Science	1625	21	Reproducibility Of Results	57
2	Human	280	22	Medical Research	56
3	Open Access	227	23	Metadata	52
4	Open Data	223	24	Priority Journal	52
5	Reproducibility	195	25	Publication	51
6	Article	193	26	Research Data Management	51
7	Humans	182	27	Big Data	50
8	Data Sharing	126	28	High Energy Physics	49
9	Open Science Grid	99	29	Preregistration	47
10	Information Management	92	30	Female	45
11	Transparency	81	31	Methodology	45
12	Publishing	74	32	Open Source	44
13	Research Data	73	33	Reproducibilities	44
14	Peer Review	70	34	Distributed Computer Systems	43
15	Procedures	69	35	Adult	42
16	Scholarly Communication	67	36	Citizen Science	42
17	Software	67	37	Bioinformatics	41
18	Replication	66	38	Male	41
19	Information Dissemination	60	39	Human Experiment	39
20	Research	58	40	Open Systems	39



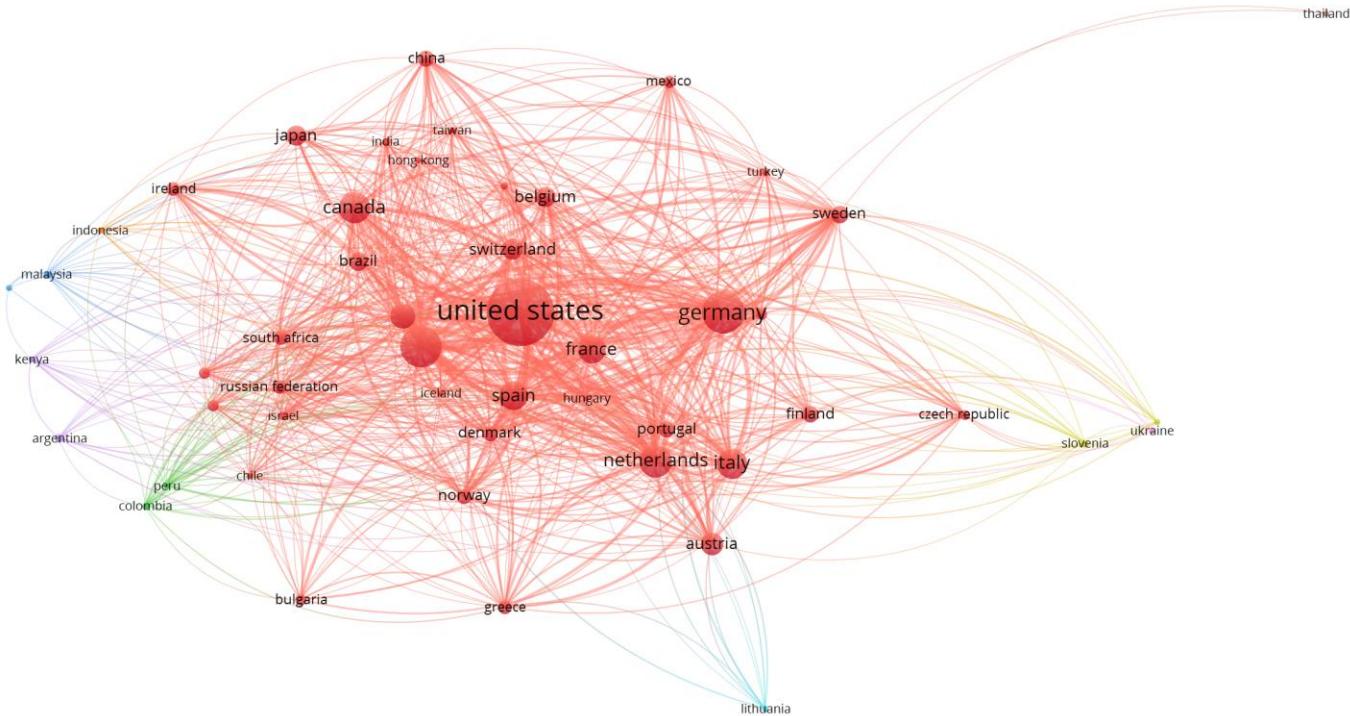
Współwystępowanie słów kluczowych



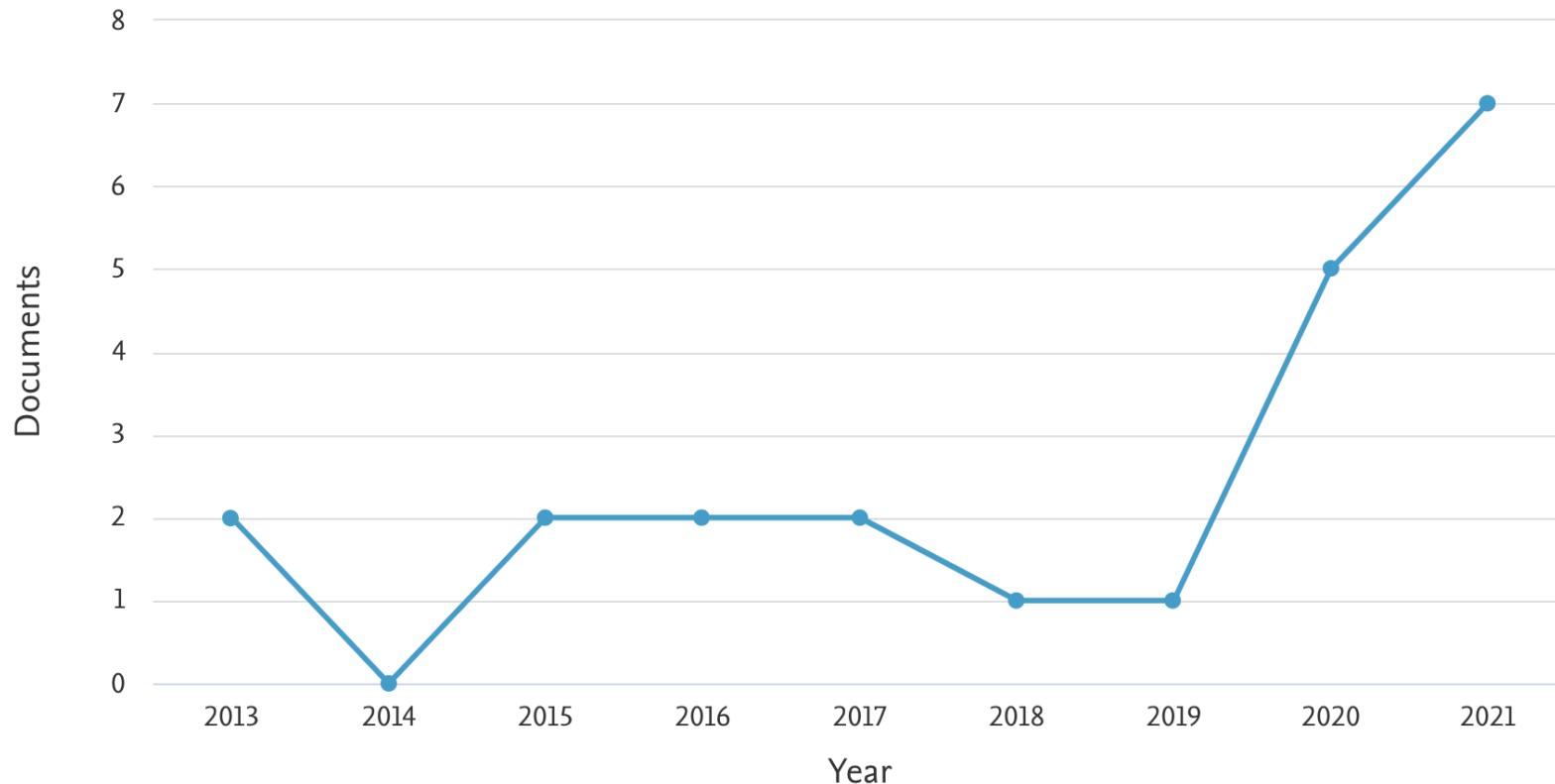
Współwystępowanie słów kluczowych



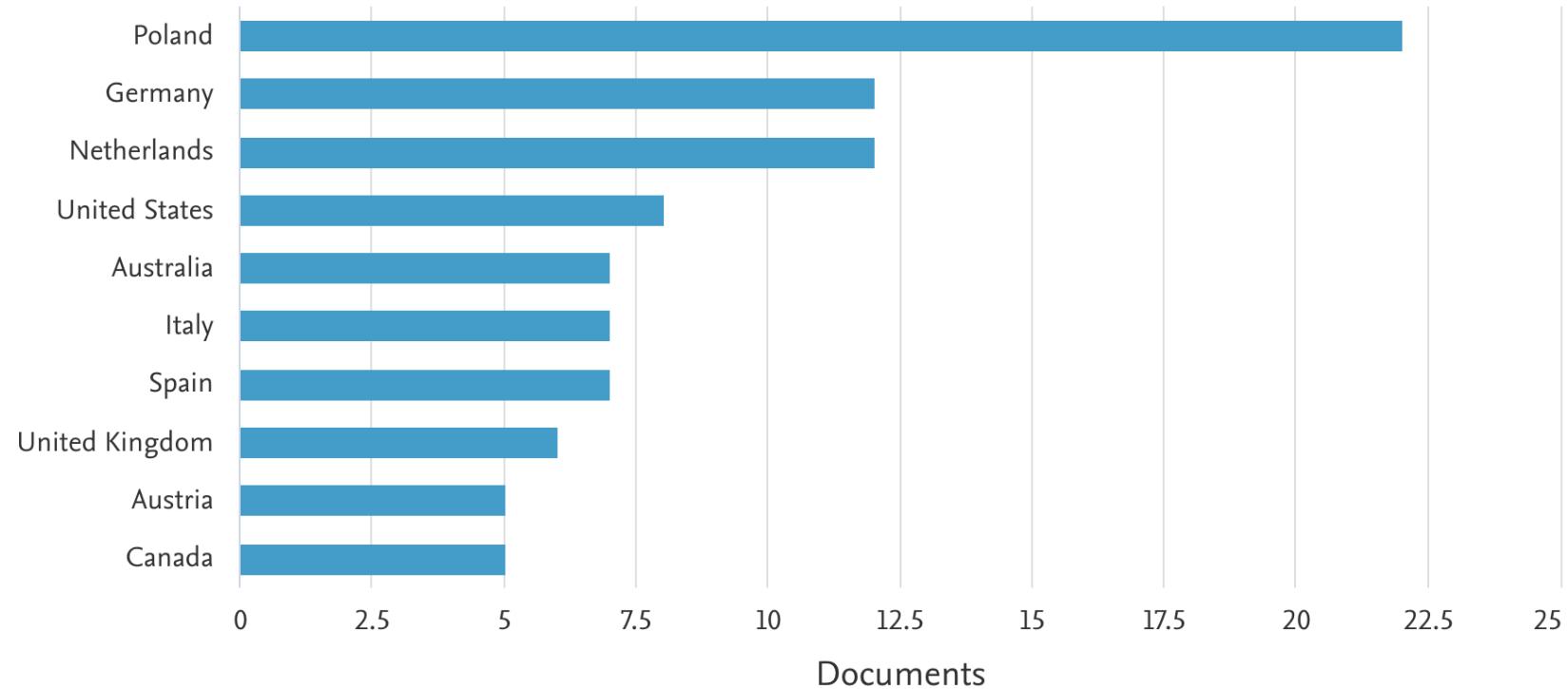
Współautorzy - kraje



Polska



Polska





Wnioski

TALERZE SCHRÖDINGERA



JEDNOCZEŚNIE CAŁE I POTŁUCZONE

The End.

