

Ranking of Hungarian Researchers from Several Disciplines Using Google Scholar Database

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Abstract: Using the h5-index and the number of citations in natural sciences, techniques and humanities in this article the best 500 Hungarian researchers is ranked. The ranking list may be formed based on the h5-index and the number of citations, given in Web of Science, Scopus, Publish or Perish Program and Google Scholar. Data for the first 500 researchers are presented. Google Scholar is the most complete. Therefore, to define a single indicator, h5-index calculated by Google Scholar may be a good and simple one. The ranking is made based primary on h5-index and number of citation based on the database in Google Scholar. Researches ranked first by h5-index in decreasing order and then by the number of citations.

Keywords: h5-index; number of citations; ranking of Hungarian researchers; Google Scholar database

1 Introduction

Due to the requests in a variety of activities ranking researchers in different disciplines of science become very important in last decade. Ranking is possible on different criteria: number of published papers, number of citations, etc.

One of these measures is h-index which includes both the productivity and citation impact of the publications of a scientist. The h-index was suggested in 2005 by Jorge E. Hirsch [1]. h5-index is the h-index for articles published in the last 5 complete years. It is the largest number h such that h articles published in 2013–2018 have at least h citations each.

h5-index can be determined according to the different sources: Google Scholar, WOS (Web of Science), Scopus and Publish or Perish Program. In this article the

list of the 500 best Hungarian researchers is presented. List covers researchers from natural sciences, techniques and human sciences.

As a primary source Google Scholar [2] has been used [3-12]. The author chooses the Google Scholar database as it is the widest. Introduced by Google in 2004, Google Scholar has become a very popular alternative data source. Google Scholar is the most complete.

Therefore, to define a single indicator, h5-index calculated by Google Scholar may be a good and simple one. Ranking is possible to be based on h-index (primary) and number of citations.

The article is organized as follows:

- In Section 1, the Introduction is given,
- In Section 2, the Ranking list of the 500 best Hungarian researchers is considered,
- Conclusions are given in Section 3.

2 Ranking list of the 500 best Hungarian researchers

The ranking is made based primary on h5-index and number of citation based on the database in Google Scholar (accessed: 20th November, 2018). Researches ranked first by h5-index in decreasing order and then by the number of citations.

Table 1
Ranking list of the 500 best Hungarian researchers

No.	Researcher, University, Country, Orcid ID	h5-index 2013-2018	Citations 213-2018
1	Zoltán Trócsányi, University of Debrecen, Hungary	121	82493
2	Dezso Horvath, missing	119	82210
3	Gabriella Pasztor, Eötvös Loránd University	118	99400
4	József Pálinkás, Hungarian Academy of Sciences	106	63115
5	Albert-László Barabási, <i>Northeastern University</i>	104	91118
6	Gyorgy Buzsaki, <i>NYU Neuroscience Institute</i>	102	39975
7	Peter Fonagy, <i>University College London</i>	95	46356
8	Peter Levai, MTA Wigner RCP, Hungary	83	26117
9	Ferenc Jolesz, <i>Harvard Medical School</i>	78	21638
10	Ferenc Siklér, MTA Wigner RCP	76	43371
11	Tamas L. Horvath, <i>Yale University</i>	73	18484
12	A. S. Szalay, <i>Johns Hopkins University</i>	71	31203
13	Andras Nagy, <i>Lunenfeld-Tanenbaum Research Institute</i>	71	22647
14	Ferenc Krausz, <i>Max Planck Institut</i>	70	25370
15	Pal Pacher, Semmelweis University	68	19885
16	Zoltan Acs, <i>George Mason University</i>	66	22078
17	Zoltán Dörnyei, <i>University of Nottingham</i>	65	34425

18	John von Neumann, <i>Princeton University</i>	62	37446
19	Imre Bartos, <i>University of Florida</i>	62	24330
20	Tamas Revesz, <i>UCL Queen Square Institute of Neurology</i>	62	14642
21	Zsolt Frei, Eötvös Loránd University	58	22396
22	Laszlo Lovasz, Eötvös Loránd University	58	18155
23	Tamás Csörgő, Wigner Research Centre for Physics	57	14801
24	Peter Raffai, Eötvös Loránd University, Hungary	56	21596
25	Zoltán Kutalik, <i>University of Lausanne</i>	56	18575
26	Zoltan Ungvari, <i>University of Oklahoma</i>	56	9517
27	Tibor Schuster, <i>McGill University</i>	54	10838
28	Istvan Csabai, Eötvös University	51	20659
29	J.A. Fodor, <i>Rutgers University</i>	51	19628
30	Attila Szolnoki, Institute of Materials Science and Technical Physics	51	9202
31	Gergely Csibra, Central European University	50	10227
32	Adam Miklosi, Eötvös University	50	8140
33	Tamas Vicsek, Eötvös University	49	20060
34	Peter Laszlo Lakatos, Semmelweis University	49	8673
35	László Árpád Gergely, University of Szeged	48	19584
36	Mátyás Vasúth, MTA Wigner RCP	48	19139
37	Tamas Gombosi, <i>University of Michigan</i>	48	8528
38	Reka Albert, <i>Penn State</i>	47	39722
39	Zoltan Haiman, <i>Columbia University</i>	47	7812
40	Béla Merkely, Semmelweis University	46	26748
41	Zoltan Fodor, <i>University of Wuppertal</i> , Germany	45	10800
42	Attila T Lorincz, <i>Queen Mary University of London</i> , UK	45	9019
43	Sandor Batkai, Cardior Pharmaceutical GmbH	45	7514
44	Andras Kis, EPFL	44	28406
45	Peter Tompa, <i>VIB SBRC</i> , Brussels	44	10476
46	Jozsef Karger-Kocsis, Budapest University of Technology and Economics	44	8451
47	Gyorgy Hajnoczky, <i>Thomas Jefferson University</i>	44	7232
48	Tamas Dalmary, <i>University of East Anglia</i>	43	8182
49	Szekanecz Zoltán, University of Debrecen	43	7187
50	István Winkler, Hungarian Academy of Sciences	43	6855
51	Zsolt Radak, missing	43	5905
52	Sandor D Katz, Eotvos University	42	9530
53	Ferenc Nagy, Biological Research Centre	42	6255
54	Zsolt Demetrovics, Eötvös Loránd University	42	5407
55	Tamás Budavári, <i>Johns Hopkins University</i>	41	12469
56	Zoltán Molnár, missing	41	5561
57	Zoltan T. Nagy, <i>Royal Belgian Institute of Natural Sciences</i>	40	7212
58	Bardossy Andras, <i>Universität Stuttgart</i>	40	5249
59	Imre Dékány, University of Szeged	39	7729
60	Peter Csermely, Semmelweis University	39	7359
61	Csaba Szepesvari, <i>University of Alberta</i>	39	6926

62	Zoltan Takats, <i>Imperial College London</i>	39	6459
63	Michael J. Antal, <i>Hawaii Natural Energy Institute</i>	39	6294
64	Péter Ferdinand, Semmelweis University	39	6273
65	Sandor Vajda, <i>Boston University</i>	39	6195
66	Ungar Tamas, Eötvös Loránd University, Hungary	39	5444
67	Andras Varro, University of Szeged	39	5049
68	Zoltan Szallasi, <i>Harvard Medical School</i>	38	13183
69	Janos Kertesz, Central European University	38	8416
70	Sandor Vajda, <i>Boston University</i> , missig	38	6144
71	Gabor Stepan, Budapest University of Technology and Economics	38	5598
72	John von Neumann, <i>Princeton University</i>	37	37138
73	György Gergely, Central European University, Budapest, Hungary	37	10999
74	Gabor Toth, <i>University of Michigan</i>	37	5035
75	Levente Buttyan, Budapest University of Technology and Economics	37	4976
76	Béla Pukánszky, Budapest University of Technology and Economics	37	4836
77	Laszlo Vigh, Biological Research Centre of HASc, Szeged, Hungary	37	4231
78	József Haller, missing	37	3764
79	Peter Denes, LBNL	36	6740
80	Béla Novák, <i>University of Oxford</i>	36	4764
81	Bela Suki, <i>Boston University</i>	36	4494
82	Bela Fejer, <i>Utah State University</i>	36	3836
83	Tamas Biro, University of Debrecen	36	3758
84	Laszlo Gondan, Eötvös Loránd University, Hungary	35	12490
85	Gyorgy Szabadkai, <i>University College London</i>	35	11467
86	Gabor Lugosi, <i>ICREA and Universitat Pompeu Fabra</i>	35	8077
87	László Vécsei, University of Szeged	35	6939
88	Lajos Kemény, University of Szeged	35	6198
89	Istvan Simon, Hungarian Academy of Sciences, Hungary	35	6095
90	Zoltan Dienes, <i>University of Sussex</i>	35	5658
91	János Fodor, Óbuda University	35	4996
92	Balázs Sarkadi, Hungarian Academy of Sciences,	35	4935
93	Attila G. Császár, Eötvös University	35	4774
94	Béla Novák, <i>University of Oxford</i>	35	4706
95	Zoltan Konya, University of Szeged	35	4677
96	Istvan Ulbert, Hungarian Academy of Sciences	35	4581
97	Zoltan N. Oltvai, <i>University of Pittsburgh</i>	34	12875
98	Balázs Győrffy, Semmelweis University	34	5911
99	E. Sylvester Vizi, Hungarian Academy of Sciences	34	5753
100	Laszlo Nagy, University of Debrecen	34	5453
101	Tibor Hortobágyi, University of Szeged	34	5059
102	Gali Ádám, Hungarian Academy of Sciences,	34	4830

	missing		
103	Katona Istvan, Hungarian Academy of Sciences	34	4742
104	Laszlo Otvos, OLPE, LLC	34	4512
105	József Burgván, Mezőgazdasági Biotechnológiai Kutatóközpont, missing	34	4433
106	Zoltan Nusser, KOKI	34	4217
107	Judit Padisak, University of Pannonia	34	4212
108	Dániel Marx, Hungarian Academy of Sciences	34	4155
109	Adam Miklosi, Eötvös University	34	4121
110	Tibor Harkany, Karolinska Institutet	34	4066
111	Laszlo Virag, University of Debrecen	34	3531
112	Mihaly Hajos, Yale University	34	3034
113	Rudolf R. Sinkovics, The University of Manchester	33	8917
114	Béla Melegh, University of Pécs	33	8153
115	László Horváth, Óbuda University	33	5572
116	András Báldi, MTA Centre for Ecological Research	33	5041
117	Laszlo Peter Biro, Research Inst. for Tech. Physics and Mater. Science	33	4457
118	Béla Tóthmérész, University of Debrecen	33	4218
119	Zoltan H Endre, University of Otago	33	4024
120	Janos Szebeni, Semmelweis University	33	4001
121	Imre Vass, Hungarian Academy of Sciences	33	3459
122	George Szakacs, Budapest University of Technology and Economics	33	3458
123	Mihály Pósfai, University of Pannonia	33	3222
124	Andrea Petroczi, Kingston University	33	3155
125	Nándor Gábor Than, Hungarian Academy of Sciences	33	3028
126	Edit Buzas, missing	32	8207
127	Fulop Ferenc, missing	32	6665
128	janos kornai, Corvinus University	32	6027
129	András Falus, Semmelweis University	32	5726
130	Krisztián Bányai, MTA ATK AOTI	32	5598
131	Peter Batary, Georg-August-University , Germany	32	4536
132	Tamás Székely, University of Bath , UK	32	4474
133	Mihaly Horanyi, University of Colorado	32	4188
134	Prohaszka Zoltan, Semmelweis University	32	4087
135	Judit Hohmann, University of Szeged	32	3978
136	Laszlo Kiss, Hungarian Academy of Sciences	32	3902
137	Eva Kondorosi, Biological Research Centre	32	3762
138	Etelka Tombácz, University of Szeged	32	3532
139	George Szakacs, Budapest University of Technology and Economics	32	3419
140	György Marosi, Budapest University of Technology and Economics	32	3276
141	Zsolt Liposits, Hungarian Academy of Sciences	32	3182
142	Endre Somorjai, MTA Atomki	32	2740
143	Tápai Márton, University of Szeged	31	14787

144	László Csiba, missing	31	6677
145	Andras Fiser, <i>Albert Einstein College of Medicine</i>	31	5902
146	Ilma R Korponay-Szabo, University of Debrecen	31	5129
147	András Schubert, Hungarian Academy of Sciences, missing	31	4778
148	István Rácz, Wigner RCP	31	4317
149	Mária A. Deli, Biological Research Centre, Szeged, Hungary	31	3731
150	József Varga, Budapest University of Technology and Economics	31	3690
151	Jeno Gubicza, Eötvös Loránd University	31	3370
152	Endre Suli, <i>University of Oxford</i>	31	3267
153	Attila Janos Mozer, <i>Intelligent Polymer Research Institute</i>	31	3204
154	Gábor Várhegyi, Hungarian Academy of Sciences	31	3191
155	Gyula Szegedi, University of Debrecen	31	2936
156	Katalin Mikecz, <i>Rush University Medical Center</i>	31	2726
157	Zoltan Ligeti, <i>Lawrence Berkely Lab</i>	30	13223
158	Istvan Edes, University of Debrecen	30	8366
159	Gyorgy Hutvagner, missing	30	6766
160	Loretta J. Mester, Federal Reserve Bank of Cleveland	30	4753
161	Csaba Pal, Biological Research Center, Hungary	30	3968
162	Antal Jakli, <i>Kent State university</i>	30	3551
163	Tamás Inspurger, Budapest University of Technology and Economics	30	3358
164	Szabolcs Kéri, Budapest University of Technology and Economics	30	3152
165	Tibor Torok, Predictive Science Inc.	30	2680
166	László Fésüs, University of Debrecen	29	8416
167	Gabor Juhasz, Hungarian Academy of Sciences	29	7910
168	Istvan Bitter, Semmelweis University	29	5622
169	Eors Szathmary, MTA Ecological Research Center	29	4778
170	Gabor Csanyi, <i>University of Cambridge</i>	29	3554
171	András Gelencsér, University of Pannonia	29	3511
172	Peter Szabó, Budapest University of Technology and Economics	29	3484
173	Jozsef Balla, University of Debrecen	29	3436
174	Peter Frankl, Hungarian Academy of Sciences	29	3250
175	Robert S. Balog, <i>Texas A&M University</i>	29	3215
176	Jozsef Timar, missing	29	3110
177	Laszlo Guczi, Hungarian Academy of Sciences	29	2780
178	Zoltan Furedi, missing	29	2714
179	Julia Szekeres-Bartho, University of Pécs, Hungary	29	2617
180	Gyorgy Gyurky, MTA Atomki	29	2568
181	Andras Dinnyes, Szent Istvan University	29	2538
182	Barnabas Poczos, <i>Carnegie Mellon University</i>	29	2550
183	Paul Sandor, <i>University of Toronto</i>	28	10161
184	László Fésüs, University of Debrecen	28	8302

185	Endre Pap, <i>Univerzitet Singidunum</i>	28	5449
186	Tibor Palfai, missing	28	4204
187	Balázs Papp, Biological Research Centre, Szeged, Hungary	28	3904
188	Dénes Petz, Budapest University of Technology and Economics	28	3685
189	Akos Kukovecz, University of Szeged, Hungary	28	3377
190	Boldizsar Czeh, University of Pécs	28	3326
191	Mihály Kállay, Budapest University of Technology and Economics	28	3117
192	Bettina Piko, University of Szeged, Hungary	28	3043
193	Peter Hegyi, University of Pécs, Hungary	28	2980
194	Beata Sperlagh, Hungarian Academy of Sciences	28	2813
195	Laszlo Bela Kish, <i>Texas A&M University</i> , missing	28	2797
196	Zoltan Furedi, missing	28	2726
197	Klivenyi Peter, University of Szeged	28	2660
198	Gabor Szabo, Institute of Experimental Medicine, Budapest, Hungary	28	2641
199	Puskas Laszlo G, HAS, Biological Research Center	28	2596
200	Vankó György, Hungarian Academy of Sciences	28	2507
201	Istvan Seri, Semmelweis University	28	2411
202	Gábor Czakó, University of Szeged	28	2178
203	Tom Gedeon, <i>Australian National University</i>	27	3053
204	Tamás Kerekes, <i>Aalborg University</i>	27	3501
205	Jozsef Baranyi, University of Debrecen	27	3498
206	János Hebling, University of Pécs	27	3304
207	György M. Keserű, Hungarian Academy of Sciences	27	3253
208	Andras Guttman, missing	27	2915
209	Balázs SÜMEGI, University of Pécs	27	2822
210	Gyozo Garab, Hungarian Academy of Sciences, Szeged, Hungary	27	2810
211	Gyula Kiss, MTA-PE Air Chemistry Research Group	27	2730
212	András Büki, University of Pécs	27	2585
213	Vankó György, Wigner Research Centre for Physics	27	2473
214	Sándor P. Fekete, <i>TU Braunschweig</i>	27	2418
215	Ilona Kovacs, Péter Pázmány Catholic University	27	2370
216	Jozsef Vinko, Hungarian Academy of Sciences	27	2276
217	Attila Szabo, Eötvös Loránd University, Hungary	27	2245
218	Elekes Zoltan, Institute for Nuclear Research (MTA Atomki)	27	2141
219	Mihály Józsi, MTA, Eötvös Loránd University	27	2022
220	Péter Gál, Hungarian Academy of Sciences	27	1938
221	Tibor Antal, <i>University of Edinburgh</i>	26	4891
222	György Csaba, Semmelweis University	26	3884
223	György Keglevich, Budapest University of Technology and Economics	26	3420
224	Jozsef Bokor, Hungarian Academy of Sciences	26	3329

225	Zsolt Tuza, University of Pannonia	26	3272
226	Sandor Szabo, missing	26	3015
227	Zoltan Mester, <i>National Research Council Canada</i>	26	2945
228	Gyorgy Csaba, Pázmány Péter Catholic University	26	2788
229	Zoltan Donko, Wigner Research Centre for Physics	26	2665
230	Komoly S, University of Pécs	26	2646
231	László Muszbek, University of Debrecen	26	2619
232	Márta Gácsi, Hungarian Academy of Sciences	26	2557
233	Szöllősi János, University of Debrecen	26	2472
234	Janos Podani, Eotvos University, missing	26	2468
235	Tamas Turanyi, Eötvös Loránd University	26	2369
236	Pál Frenger, Ericsson AB	26	2327
237	Róbert Urbán, Eötvös Loránd University	26	2240
238	László Gulácsi, Corvinus University, Hungary	26	2153
239	László Erdei, University of Szeged	26	1856
240	Erik Hrabovszky, Hungarian Academy of Sciences	26	1737
241	Gábor I. Csonka, Budapest University of Technology and Economics	25	5793
242	Botond Koszegi, Central European University	25	4985
243	Peter Lakatos, <i>Nathan Kline Institute</i>	25	4805
244	Andras Czirok, <i>Univeristy of Kansas Medical Center</i>	25	4754
245	Miklós Garami, Semmelweis University	25	4508
246	Agnes Kittel, Hungarian Academy of Sciences	25	4128
247	Attila Kovacs, <i>Smithsonian Astrophysical Observatory</i>	25	3278
248	Tamas Terlaky, <i>Lehigh University</i>	25	3026
249	Attila Sik, <i>University of Birmingham</i>	25	2876
250	Cserni Gábor, University of Szeged	25	2695
251	Attila Mekis, <i>Luxtera</i>	25	2628
252	Éva Hideg, University of Pécs	25	2612
253	Tibor Czigany, Budapest University of Technology and Economics	25	2569
254	András Berta, University of Debrecen	25	2497
255	János Török, Eötvös Loránd Tudományegyetem	25	2421
256	Andras Gruber, Semmelweis University	25	2417
257	Miklós Geiszt, Semmelweis University	25	2158
258	Imre Takac, Dynamita	25	2092
259	Eniko Kubinyi, Eötvös Loránd University	25	1871
260	Tamás Csont, University of Szeged	25	1849
261	Tamás Vértesi, MTA Atommagkutató Intézet	25	1820
262	Róbert E. Gyurcsányi, Budapest University of Technology and Economics	25	1782
263	Ilona Sarvari Horvath, <i>University of Borås</i>	25	1635
264	Gabor Banhegyi, Semmelweis University	24	7570
265	Szabolcs Borsanyi, <i>Bergische Universität Wuppertal</i>	24	4184
266	Beatrix Dienes, University of Debrecen	24	3150
267	Zoltan Kunszt, <i>Institute for Theoretical Physics</i> ,	24	2920

	ETH, Zurich		
268	Peter Baranyi, Szechenyi Istvan University	24	2904
269	Karoly Heberger, Hungarian Academy of Sciences	24	2796
270	Zoltán Papp, University of Debrecen	24	2741
271	Balla György, University of Debrecen	24	2619
272	Endre Nagy, University of Pannonia	24	2604
273	György Paragh, University of Debrecen	24	2520
274	Domonkos Tikk, Gravity R&D	24	2487
275	Lajos Diósi, Wigner Research Centre for Physics, Hungary	24	2444
276	Balazs Harrach, Hungarian Academy of Sciences	24	2430
277	Jozsef Janszky, Pécsi Tudományegyetem	24	2396
278	Imre Vida, Charité – <i>Universitätsmedizin Berlin</i> , DE	24	2303
279	Andras Gyarfas, Hungarian Academy of Sciences	24	2283
280	Attila I. Gulyas, Hungarian Academy of Sciences	24	2263
281	T Doczi, missing	24	2192
282	László Gránásy, Wigner RCP	24	2174
283	Tósaki Árpád, Debreceni Egyetem (University of Debrecen)	24	2116
284	Peter Bai, University of Debrecen	24	2115
285	Záray Gyula, Eötvös Loránd Tudományegyetem	24	2027
286	Éva Kiss, University of Szeged	24	2015
287	Eva Rajnavolgyi, University of Debrecen	24	1977
288	Peter S. Sandor, <i>Universität Zürich</i>	24	1964
289	Irma Tari, University of Szeged	24	1920
290	Gyorgy Vereb, University of Debrecen	24	1912
291	Sandor Beniczk, <i>Aarhus University</i>	24	1716
292	Joseph Najbauer, University of Pécs, Hungary	24	1684
293	Gyula Kovacs, <i>Friedrich Schiller University Jena</i>	24	1597
294	Peter J. Toth, University of Pecs	24	1543
295	Tamás Forster, University of Szeged	23	6668
296	Tibor Dunai, <i>Universität zu Köln</i>	23	2997
297	Mark Jelasity, University of Szeged	23	2711
298	Dániel Aradi, Semmelweis University, Hungary	23	2425
299	Tamas Tel, Eotvos University	23	2212
300	Attila Tarnok, <i>University Leipzig</i>	23	2103
301	Tibor Hartel, <i>Babeş-Bolyai University</i>	23	2091
302	Imre Barany, Renyi Institute, Hungary	23	1940
303	László Szunyogh, Budapest University of Technology and Economics	23	1909
304	András Hoffer, MTA-PE Air Chemistry Research Group	23	1893
305	András Liker, University of Pannonia	23	1845
306	Tibor Magura, University of Debrecen	23	1832

307	George Kapitay, University of Miskolc	23	1821
308	Zoltan Rakonczay Jr., University of Szeged	23	1814
309	Attila Molvarec, Semmelweis University, Hungary	23	1810
310	Judit Ovadi, Hungarian Academy of Sciences	23	1741
311	Laszlo Patthy, Institute of Enzymology, Budapest, Hungary	23	1690
312	Bence Kocsis, Eotvos Lorand University	23	1642
313	László Orbán, University of Pannonia	23	1593
314	Nándor Nemestóthy, University of Pannonia	23	1549
315	Dezső Boda, University of Pannonia, Hungary	23	1521
316	Tamás Pusztai, Wigner Research Centre for Physics	23	1506
317	Sándor Hornok, University of Veterinary Medicine, Budapest	23	1416
318	Mihály Braun, Atomki, Debrecen, Hungary	23	1324
319	Pál Maurovich-Horvat, Semmelweis University	22	7445
320	Pál Géher, Semmelweis University	22	3068
321	Laszlo Monostori, Computer and Automation research Institute	22	3020
322	Robert Fullér, Széchenyi István University	22	2715
323	Imre J. Rudas, Óbuda University	22	2587
324	Gábor E. Tusnády, Institute of Enzymology, RCNS, HAS	22	2286
325	Tibor A Rauch, <i>Rush University Medical Center</i>	22	2151
326	István Pócsi, University of Debrecen	22	2020
327	Pál Sümegi, University of Szeged	22	1955
328	Attila Kereszt, Biological Research Centre HAS	22	1922
329	Valentina Kutyifa, <i>University of Rochester</i>	22	1890
330	Gabor Tardos, Hungarian Academy of Sciences	22	1866
331	Miklos Telek, Budapest University of Technology and Economics	22	1846
332	Martin Pál, Google, Inc.	22	1841
333	Ferenc Jordan, MTA Centre for Ecological Research, Budapest, Hungary	22	1805
334	Klara Hernadi, University of Szeged, missing	22	1770
335	László Kredics, University of Szeged	22	1727
336	Péter Nánási, University of Debrecen	22	1699
337	Tamás Takács, University of Szeged	22	1645
348	Salma Imre, Eötvös Loránd University	22	1622
339	Laszlo Buday, Institute of Enzymology	22	1548
340	Zoltan Giricz, Semmelweis University	22	1528
341	Tibor Valyi-Nagy, <i>University of Illinois at Chicago</i>	22	1515
342	Albert Oszkó, University of Szeged	22	1503
343	Attila Bacsi, University of Debrecen, missing	22	1480
344	Tamas Varga, <i>Pacific Northwest National Laboratory</i>	22	1428
345	Ferenc Gallyas, University of Pécs, Hungary	22	1406

346	Laszlo Orfi, Semmelweis University	22	1262
347	Beata G. Vertessy, Hungarian Academy of Sciences	21	6989
348	Tamás Nepusz, Eötvös Loránd University	21	6199
349	László Györfi, Budapest University of Technology and Economics	21	3807
350	Tamas Papp, MTA TKI	21	3719
351	Tamas Szabo, University of Szeged	21	3374
352	Miklos Maroti, University of Szeged	21	2833
353	Barnabas Bede, Óbuda University	21	2648
354	Endre Boros, <i>Rutgers University</i>	21	2429
355	Gabor L Lovei, <i>Aarhus University</i>	21	2398
356	Attila Molnar, <i>University of Edinburgh</i>	21	2352
357	Tibor Braun, Hungarian Academy of Sciences	21	2231
358	Gyuri Wolf, Wigner RCP	21	2201
359	Borbely Andras, <i>MINES Saint-Etienne</i>	21	2038
360	Peter Domokos, Wigner Research Centre	21	1952
361	Ferenc Bari, University of Szeged	21	1911
362	József Tihanyi, University of Physical Education	21	1869
363	Kacsuk Péter, MTA SZTAKI	21	1860
364	László Tiszlavicz, University of Szeged,	21	1848
365	Istvan Krizbai, Biological Research Centre	21	1776
366	Árpád Baricz, <i>Babeş-Bolyai University</i>	21	1762
367	Kornel Kovacs, University of Szeged	21	1724
368	Szántó Sándor, Debreceni Egyetem	21	1705
369	Attila Gacser, University of Szeged	21	1630
370	Gábor Rákhely, University of Szeged	21	1624
371	László Virág, University of Szeged	21	1618
372	Gergely Maroti, Hungarian Academy of Sciences, Szeged, missing	21	1611
373	pal ormos, MTA SZBK, missing	21	1565
374	Tamás Martinek, University of Szeged, missing	21	1563
375	Markus J. Tamás, <i>University of Gothenburg</i> , missing	21	1543
376	Zarand Gergely, Budapest University of Technology and Economics	21	1540
377	Magda Antal, missing	21	1528
378	Dr. Mihaly Boros, University of Szeged, missing	21	1482
379	Tibor Erős, Hungarian Academy of Sciences, missing	21	1481
380	Tamas Gaal, <i>university of wisconsin</i> , missing	21	1367
381	Szabolcs Béni, Semmelweis University, missing	21	1288
382	Péter Pongrácz, Eötvös Loránd University, missing	21	1198
383	Imre Kacskovics, Eötvös Loránd University, missing	21	1126
384	Gyula Mester, Óbuda University, Hungary, ORCID: 0000-0001-7796-2820	21	1006
385	György Panyi, University of Debrecen, Hungary	21	959
386	Tamas Korcsmaros, <i>Earlham Institute</i>	20	7145
387	Imre Derenyi, Eotvos University, Hungary	20	4881

388	László Molnár, Hungarian Academy of Sciences	20	4744
389	Janos Korner, <i>University of Rome</i>	20	4601
390	Tamas Papp, MTA TKI	20	3680
391	János Aczél, University of Debrecen	20	2921
392	Gábor Kovács, University of Pécs	20	2321
393	Tamas Belgya, Centre for Energy Research, Hungary	20	2274
394	Laszlo Huber, missing	20	2255
395	Tamas Keviczky, <i>Delft University of Technology</i> , missing	20	2036
396	Attila Horváth, missing	20	1983
397	Gábor Halmos, University of Debrecen	20	1922
398	Janos Abonyi, University of Pannonia	20	1901
399	Zoltán G. Soos, <i>Princeton University</i> , USA	20	1854
400	GS Reusz, Semmelweis University	20	1837
401	József Tőzsér, University of Debrecen	20	1762
402	Sándor J Kovács, <i>Washington University</i>	20	1664
403	Szabolcs Lengyel, Hungarian Academy of Sciences	20	1662
404	Gábor Rákely, University of Szeged	20	1598
405	Janos Nemeth, Semmelweis University	20	1587
406	Attila Szanto, missing	20	1578
407	Attila Reményi, Research Center for Natural Sciences, missing	20	1567
408	Imre Sovago, University of Debrecen	20	1559
409	Antus Sándor, University of Debrecen	20	1555
410	János Timár, MTA Atomki	20	1537
411	Endre Horvath, <i>Ecole Polytechnique Federale de Lausanne</i>	20	1499
412	Biró Tamás Sándor, Wigner Research Centre for Physics	20	1423
413	A. Marcell Szasz, missing	20	1382
414	Karlo Penc, Wigner Research Centre for Physics	20	1380
415	István Ráth, Budapest University of Technology and Economics	20	1361
416	Anna Erdei, Eötvös Loránd University, Hungary	20	1292
417	László Biczók, Hungarian Academy of Sciences, Hungary	20	1284
418	Isván Kézsmárki, Budapest University of Technology and Economics	20	1278
419	Tamas Banyasz, University of Debrecen	20	1271
420	János A. Bergou, University of Pécs	20	1229
421	Gábor Borics, MTA Centre for Ecological Research	20	1226
422	László Poppe, Budapest University of Technology and Economics	20	1214
423	Péter Bakonyi, University of Pannonia, Hungary	20	1211
424	Bence Béky, <i>Harvard University</i>	20	1207
425	Tibor Macko, <i>Scientist at Fraunhofer Institute LBF</i>	20	1185
426	George Horvai, Budapest University of Technology	20	1170

	and Economics		
427	József Kaszaki, University of Szeged	20	1155
428	Jozsef Halasz, Obuda University	20	1148
429	Valeria Guzsvány, <i>University of Novi Sad</i>	20	1133
430	Balazs Deak, University of Debrecen	20	1108
431	Orsolya Valkó, University of Debrecen	20	1104
432	Zsofia Nemoda, Semmelweis University	20	1021
433	Peter Antal Szalmas, University of Debrecen	20	1008
434	Szilvia Veszelka, Biological Research Centre, Szeged, Hungary	20	984
435	György Vámosi, University of Debrecen	20	920
436	Attila Varga, University of Pécs	19	3381
437	Jozsef Fiser, Central European University	19	2501
438	Árpád Molnár, University of Szeged	19	2441
439	Attila Felinger, University of Pécs	19	2044
440	Katalin Szlavicez, <i>Johns Hopkins University</i>	19	1752
441	Tibor Gyimothy, University of Szeged, Hungary	19	1717
442	Brodszky Valentin, Corvinus University	19	1677
443	Imre Fertő, Hungarian Academy of Sciences	19	1668
444	Zsuzsanna Bata-Csorgo, University of Szeged	19	1663
445	Rudolf Ferenc, University of Szeged	19	1631
446	József Sándor, <i>Babes-Bolyai University</i> , Romania	19	1610
447	Sándor Damjanovich, University of Debrecen	19	1542
448	Varga Lajos Károly, Wigner Research Centre for Physics	19	1513
449	Balazs Dora, Budapest University of Technology and Economics	19	1488
450	István Groma, Eötvös Loránd University	19	1418
451	Attila Csikasz-Nagy, <i>King's College London</i> , UK	19	1414
452	Laszlo Tretter, Semmelweis University	19	1412
453	Endre Kiss-Toth, <i>University of sheffield</i>	19	1404
454	Katalin Hangos, Computer and Automation Research Institute	19	1384
455	Dán Ádám, missing	19	1367
456	Dénes Schmerra, Hungarian Academy of Sciences	19	1357
457	Attila Tóth, University of Debrecen	19	1346
458	Attila Köfalvi, Center for Neuroscience and Cell Biology	19	1332
459	Istvan Ando Istvan, Hungarian Academy of Science	19	1312
460	Peter Igaz, Semmelweis University	19	1286
461	Gombos Zoltan, Hungarian Academy of Sciences	19	1284
462	Peter Igaz, Semmelweis University	19	1274
463	Janos Tapolcai, Budapest University of Technology and Economics	19	1270
464	László Biczók, Hungarian Academy of Sciences	19	1268
465	Antal Koos, MTA EK MFA	19	1252
466	Bódizs Róbert, Semmelweis University	19	1250
467	Peter Balazs, <i>Austrian Academy of Sciences</i>	19	1177

468	Zvara Ágnes, missing	19	1118
469	János Magyar, University of Debrecen	19	1105
470	András Szabó, Semmelweis University	19	1088
471	Imre Miklos Szilagyi, Budapest University of Technology and Economics	19	1080
472	György Csóka, Erdészeti Tudományos Intézet	19	1052
473	Gábor Gyula Kiss, ATOMKI	19	1019
474	József Pálfy, Eötvös Loránd University	19	1012
475	Tamás Sréter, National Food Chain Safety Office	19	1002
476	Sandor Bartha, Hungarian Academy of Sciences	19	971
477	Levente Balogh, <i>Queen's University</i>	19	967
478	Vilmos Simon, Budapest University of Technology and Economics, Hungary, Orcid: 0000-0002-8227-4464.	19	786
479	Illés Farkas, Eotvos University	18	7499
480	eva pallinger, Semmelweis University	18	3269
481	András Arató, Semmelweis University	18	2573
482	Árpád Molnár, University of Szeged	18	2404
483	Maria Barna, <i>Stanford University</i>	18	2216
484	Attila Feher, Hungarian Academy of Sciences	18	2057
485	Mihály Bartók, University of Szeged	18	1952
486	Gyorgy Posfai, Biol Res Centre Hung Acad Sci, Szeged	18	1899
487	József K. Tar, Óbuda University	18	1820
488	Erika Kolai, University of Physical Education	18	1786
489	Peter Gaspar, Computer and Automation Research Institute	18	1568
490	Lajos Rozsa, Hungarian Academy of Sciences	18	1521
491	Gábor Varga, Semmelweis University	18	1477
492	Gábor B Makara, Magyar Tudományos Akadémia	18	1343
493	Laszlo Kozma-Bognar, missing	18	1324
494	Csaba Szekely, Hungarian Academy of Sciences	18	1307
495	Attila Nemes, <i>Norwegian Institute of Bioeconomy Research</i>	18	1304
496	Peter Erdi, <i>Kalamazoo College</i>	18	1301
497	Gyula Tircso, University of Debrecen	18	1274
498	Miklos Kellermayer, Semmelweis University	18	1258
499	Zoltan Kiraly, Plant Protection Institute	18	1249
500	Livija Cveticanin, Obuda University, Hungary, Orcid: 0000-0002-1061-4685	18	1258

3 Conclusions

Ranking list of best 500 Hungarian researches in natural sciences, techniques and human sciences of is presented, The ranking is made based primary on h5-index and citation number based on the database in Google Scholar. Hungarian

researches ranked first by h5-index in decreasing order and then by the number of citations.

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