



Correction to: Four problems of the *h*-index for assessing the research productivity and impact of individual authors

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Correction to: Scientometrics

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The original version of the article was published with minor corrections in Table 4, references and in a sentence. These have been corrected with this Correction as below:

In page 6, subsection "Solving the four problems", the first sentence should read as "The aforementioned four problems can be effectively addressed by using the *hi*-index: The *hi*-index prevents each author from taking full credit for a multiauthored publication's all contributions (Problem #1)."

See Table 4 below.

The original article can be found online at <https://doi.org/10.1007/s11192-022-04323-8>.

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Table 4 The Google Scholar data of 12 Nobel laureates (accessed December 18, 2021) P = Physics, C = Chemistry, M = Physiology or Medicine, E = Economic Sciences

Author No	Year of Nobel Prize	Name	Google Scholar URL	(1) Total number of citations	(2) Author's fractional number of citations	(3) Percentage of the author's fractional number of citations (%)	(4) h -index	(5) Individual h_i -index	(6) Percentage decrease from h -index to h_i -index (%)	(7) Average number of authors per cited publication	(8) Sum of all authors' total numbers of citations
P1	2018	Donna Strickland	https://scholar.google.com/citations?hl=en&authuser=1&user=Cv9djkcAAAJ	11,148	4,256.96	38.19	22	13	40.91	3.90	36,482
P2	2019	Didier Queloz	https://scholar.google.com/citations?hl=en&authuser=1&user=S5HCm2oAAAJ	54,386	6,727.33	12.37	118	32	72.88	21.80	1,047,506
P3	2021	Syukuro Manabe	https://scholar.google.com/citations?hl=en&authuser=1&user=GPKBB-YAAAAJ	37,185	17,124.58	46.05	85	65	23.53	4.15	164,052

Table 4 (continued)

Author No	Year of Nobel Prize	Name	Google Scholar URL	(1) Total number of citations	(2) Author's fractional number of citations	(3) Percentage of the author's fractional number of citations (%)	(4) h -index	(5) Individual h_i -index	(6) Percentage decrease from h -index to h_i -index (%)	(7) Average number of authors per cited publication	(8) Sum of all authors' total numbers of citations
C1	2019	M. Stanley Whittingham	https://scholar.google.com/citations?hl=en&authuser=1&user=df6g6kA-AAJ	38,110	21,195.63	55.62	80	49	38.75	4.93	153,774
C2	2020	Jennifer A. Doudna	https://scholar.google.com/citations?hl=en&authuser=1&user=YO5XSXwAAA-AJ	88,579	21,610.81	24.40	137	66	51.82	6.30	553,242

Table 4 (continued)

Author No	Year of Nobel Prize	Name	Google Scholar URL	(1) Total number of citations	(2) Author's fractional number of citations	(3) Percentage of the author's fractional number of citations (%)	(4) h -index	(5) Individual h_i -index	(6) Percentage decrease from h -index to h_i -index (%)	(7) Average number of authors per cited publication	(8) Sum of all authors' total numbers of citations
C3	2021	David Mac-Millan	https://scholar.google.com/citations?hl=en&authuser=1&user=7x48vOkAAAAJ	52,836	19,764.57	37.41	109	72	33.94	3.83	172,666
M1	2019	Gregg L. Semenza	https://scholar.google.com/citations?hl=en&authuser=1&user=fXc-IToAAAJ	171,400	71,862.41	41.93	186	108	41.94	12.07	31,520,958
M2	2020	Michael Houghton	https://scholar.google.com/citations?hl=en&authuser=1&user=litPcpcAAAAJ	51,113	7,745.51	15.15	99	39	60.61	7.88	472,677

Table 4 (continued)

Author No	Year of Nobel Prize	Name	Google Scholar URL	(1) Total number of citations	(2) Author's fractional number of citations	(3) Percentage of the author's fractional number of citations (%)	(4) h -index	(5) Individual h_i -index	(6) Percentage decrease from h -index to h_i -index (%)	(7) Average number of authors per cited publication	(8) Sum of all authors' total numbers of citations
M3	2021	Ardem Patapoutian	https://scholar.google.com/citations?hl=en&authuser=1&user=2aSu29oAAAAJ	34,923	6,012.36	17.22	75	39	48.00	8.18	297,929
E1	2019	Esther Dufo	https://scholar.google.com/citations?hl=en&authuser=1&user=yhDML8AAAAAJ	77,723	34,136.05	43.92	96	69	28.13	3.52	228,807

Table 4 (continued)

Author No	Year of Nobel Prize	Name	Google Scholar URL	(1) Total number of citations	(2) Author's fractional number of citations	(3) Percentage of the author's fractional number of citations (%)	(4) h -index	(5) Individual h_i -index	(6) Percentage decrease from h -index to h_i -index (%)	(7) Average number of authors per cited publication	(8) Sum of all authors' total numbers of citations
E2	2020	Robert B. Wilson	https://scholar.google.com/citations?hl=en&authuser=2-JLOBwAAAAJ	29,934	19,630.59	65.58	54	48	11.11	1.88	58,367
E3	2021	David Card	https://scholar.google.com/citations?hl=en&authuser=1&user=lqmGJlKAAAAJ	79,117	48,542.13	61.35	108	81	25.00	2.75	160,881

See Fig. 1 below.

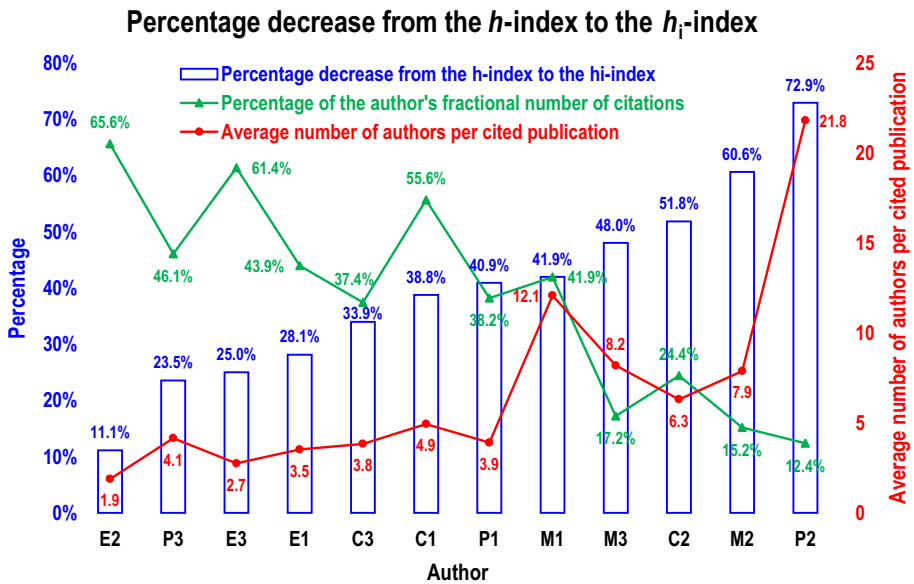


Fig. 1 The relationship between Table 4's column (6) (in blue) and columns (3) (in green) and (7) (in red)

The original article has been corrected.

References

- Harzing, AW (2021) *Publish or Perish*. <https://harzing.com/resources/publish-or-perish>. Downloaded July 6, 2021.
- Hirsch, J. E. (2005). An index to quantify an individual's scientific research output. *Proceedings of the National Academy of Sciences of the United States of America* 102(46), 16569–16572. <https://doi.org/10.1073/pnas.0507655102>