

# Package ‘hindexcalculator’

October 13, 2022

**Title** H-Index Calculator using Data from a Web of Science (WoS)  
Citation Report

**Version** 1.0.0

**Description**  $H(x)$  is the h-index for the past  $x$  years. Here, the  $h(x)$  of a scientist/department/etc. can be calculated using the exported excel file from a Web of Science citation report of a search. Also calculated is the year of first publication, total number of publications, and sum of times cited for the specified period. Therefore, for h-10: the date of first publication, total number of publications, and sum of times cited in the past 10 years are calculated. Note: the excel file has to first be saved in a .csv format.

**Depends** R ( $\geq 3.2.0$ )

**License** AGPL

**LazyData** true

**NeedsCompilation** no

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**Repository** CRAN

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BWHCitationReport	<i>WoS exported citation report for search AD=(brigham same anes*) OR AD=(brigham same anaes*)</i>
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## Description

WoS exported citation report for search AD=(brigham same anes\*) OR AD=(brigham same anaes\*)

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hindexcalculator	<i>H-Index Calculator using Data from a Web of Science (WoS) Citation Report</i>
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**Description**

H-Index Calculator using Data from a Web of Science (WoS) Citation Report

**Usage**

```
hindexcalculator(readcsv, hx, date)
```

**Arguments**

readcsv	- The read.csv function that will locate the citation report of interest
hx	- The h-index of interest. Can be any positive integer or "c" (without quotations) for cumulative h-index
date	- The last year of interest plus 1. For instance, if the citation report includes the year 2015 but you want h(10) not including 2015, therefore 2005-2014, you would enter 2015 for this argument

**Examples**

```
#calculate the h(10) of the Brigham and Women's Hospital - Department of Anesthesia  
data(BWHCitationReport)  
readcsv <- BWHCitationReport  
hx <- 10  
date <- 2015  
  
hindexcalculator(readcsv, hx, date)
```

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\* **data**

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