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RECURSOS
CIENTÍFICOS

Jornadas de formación Web of Science 2025-2026

Sesión D3 - Indicadores de impacto
en Journal Citation Reports

Anne Delgado

15/04/2026

 Clarivate



Sesión D3 - Indicadores de impacto en Journal Citation Reports

- El factor de impacto de la revista (JIF) no es un indicador normalizado
- El Journal Citation Indicator (JCI) es un indicador normalizado
- Interpretar los percentiles y cuartiles
- Información sobre la revista en Web of Science

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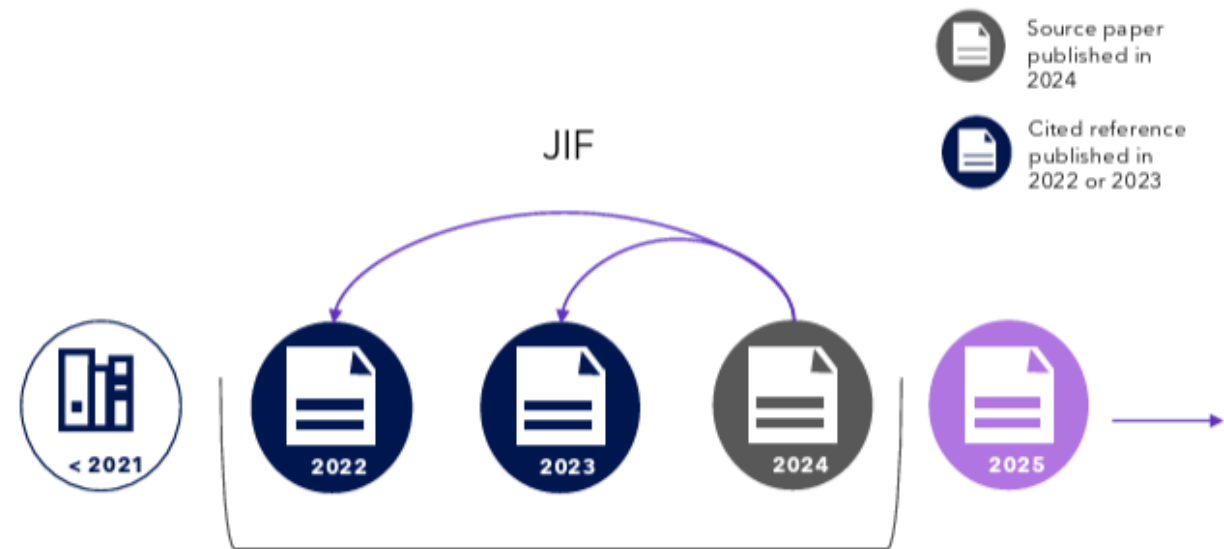
¿Cómo se calcula el factor de impacto de la revista (JIF)?

El JIF se define como las citas a la revista en el año JCR a artículos publicados en los dos años anteriores, dividido por el número total de artículos académicos, también conocidos como elementos citables (estos comprenden artículos y revisiones) publicados en la revista en los dos años anteriores.

El año JCR es el último año completo dentro del conjunto de datos JCR de ese año. Por ejemplo, la edición 2025 del JCR proporciona las métricas del año 2024.

Why two years?

It takes time for articles to be cited, and these rates vary by field. Articles typically begin to reach a citation peak after two years in many fields. Some fields have a slower velocity and reach their peak over longer periods of time. The Five-year Journal Impact Factor may be a better choice in those categories.



* Excludes citations to and from retracted and withdrawn publication, retractions and item withdrawals as of 2025 release (2024 data)

Cálculo del Journal Impact Factor (JIF)

JIF numerator

Un subconjunto de todas las citas a esta revista en el año calendario: citas solo a artículos con una fecha de publicación de los dos años anteriores.

Estas citas proviene de todos los tipos de elementos incluidos en los índices de la Web of Science Core Collection:

Science Citation Index

- Social Science Citation Index
- Arts & Humanities Citation Index
- Proceedings Citation Indexes
- Book Citation Indexes
- Emerging Sources Citation Index

Se incluyen citas a todos los tipos de documentos, incluso los excluidos del denominador.

Calculation

Journal Impact Factor™ is calculated using the following metrics:

$$\frac{\text{Citations in 2023 to items published in 2021 (357) + 2022 (290)}{\text{Number of citable items in 2021 (178) + 2022 (187)}} = \frac{647}{365} = 1.8$$

JIF denominator

Los elementos identificados en Web of Science Core Collection como artículos o revisiones se incluyen aquí como elementos citables. Estos representan el tamaño de las contribuciones académicas de la revista. Artículos como editoriales, cartas y noticias están excluidos del denominador. Estos cumplen un papel de comunicación diferente que generalmente no se refleja a través de citas académicas.

Las contribuciones de estos materiales a JIF se visualizan en el gráfico de distribución de citas.

Observa la diferencia entre las citas de los artículos

El Journal Impact Factor (JIF) es una proporción que divide las citas recibidas de una revista por un recuento de sus artículos publicados. No es un promedio matemático, pero proporciona una aproximación de la tasa media de citas para un artículo típico.

Por ejemplo, un JIF igual a 7 significa que un artículo o revisión típica de esta revista ha sido citado aproximadamente 7 veces, uno o dos años después de la publicación.

Citation distribution

Export

The Citation Distribution shows the frequency with which items published in the year or two years prior were cited in the JCR data year (i.e., the component of the calculation of the JIF). The graph has similar functionality as the JIF Trend graph, including hover-over data descriptions for each data point, and an interactive legend where each data element's legend can be used as a toggle. You can view Articles, Reviews, or Non-Citable (other) items to the JIF numerator. [Learn more](#)

ARTICLE CITATION MEDIAN

9

REVIEW CITATION MEDIAN

16

UNLINKED CITATIONS

54

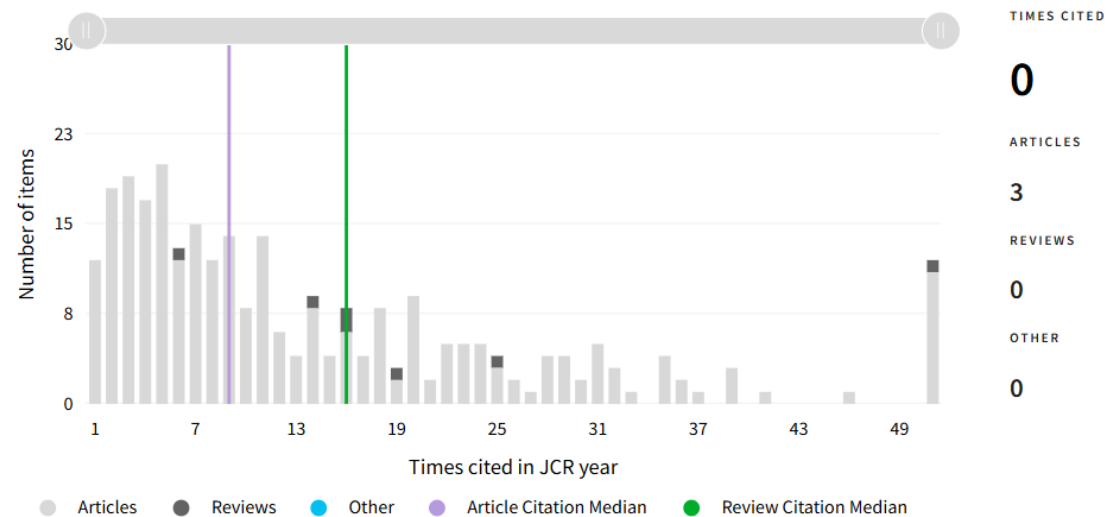


Gráfico interactivo

- Coloca el cursor para ver los valores
- Haz clic en los elementos de la leyenda para incluir/excluir
- Utiliza el zoom con el control deslizante

Consideraciones sobre el JIF

Best practices when using the JIF:

- JIF values vary by discipline. What is good in one category may be very different than another.
- JIF is most useful when considered through the category percentile or quartile data which allow comparison of relative citation impact across different fields.
- JIF is a journal-level metric. It does not measure the contribution of individual papers or authors.

- Las métricas JIF están disponibles para todas las revistas activas en la Colección Principal:
 - Science Citation Index Expanded (SCIE)
 - Social Science Citation Index (SSCI)
 - Arts and Humanities Citation Index (AHCI)
 - Emerging Sources Citation Index (ESCI)
- For indexed Early Access items where the early access date is in a different calendar year than the final publication date, we will use only the early access date. This will only affect items indexed with an early access date of 2020 or later.
- JIF calculation excludes citations to and from retracted and withdrawn publication, retractions and item withdrawals as of 2025 release (2024 data)

For more information, [download JCR reference guide](#)

Sesión D3 - Indicadores de impacto en Journal Citation Reports

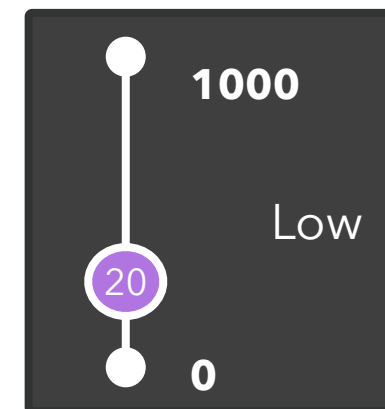
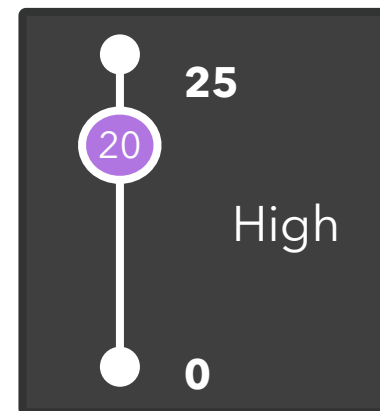
- El factor de impacto de la revista (JIF) no es un indicador normalizado
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El comportamiento de citas varía según el contexto

¿El total de citas es alto o bajo?



High or low?



Depende del contexto (año de publicación, área de investigación, tipo de documento)

254 categories to classify the journals of Web of Science Core Collection

- 60% of journals are assigned to only one category
- 40% of journals are assigned to two or more categories
- 135 journals (Nature, Science, PLoS One, etc.) are assigned to the category "Multidisciplinary Sciences"

Web of Science Categories

Subject category of the source publication. Some source publications are assigned to multiple categories. Records of documents from those publications contain multiple subject categories.

| | | | |
|-------------------------------------|--------------------------------------|---|-----------------------------|
| Acoustics | Electrochemistry | Literature | Physics, Condensed Matter |
| Agricultural Economics & Policy | Emergency Medicine | Literature, African, Australian, Canadian | Physics, Fluids & Plasmas |
| Agricultural Engineering | Endocrinology & Metabolism | Literature, American | Physics, Mathematical |
| Agriculture, Dairy & Animal Science | Energy & Fuels | Literature, British Isles | Physics, Multidisciplinary |
| Agriculture, Multidisciplinary | Engineering, Aerospace | Literature, German, Dutch, Scandinavian | Physics, Nuclear |
| Agronomy | Engineering, Biomedical | Literature, Romance | Physics, Particles & Fields |
| Allergy | Engineering, Chemical | Literature, Slavic | Physiology |
| Anatomy & Morphology | Engineering, Civil | Logic | Planning & Development |
| Andrology | Engineering, Electrical & Electronic | Management | Plant Sciences |
| Anesthesiology | Engineering, Environmental | Marine & Freshwater Biology | Poetry |

El comportamiento de citas varía según la categoría

Esta tabla muestra cómo la mediana del JIF varía considerablemente entre las diferentes categorías.

| Category | Group | Edition | # of journals | Citable Items | Total Citations | Median impact factor |
|---|--|------------------|---------------|---------------|-----------------|----------------------|
| EDUCATION & EDUCATIONAL RESEARCH | Multidisciplinary; Social Sciences, General | ESCI, SSCI | 762 | 38,305 | 1,007,408 | 1.2 |
| ECONOMICS | Economics & Business; Social Sciences, General | ESCI, SSCI | 620 | 34,397 | 1,766,885 | 1.4 |
| HISTORY | History & Archaeology | AHCI, ESCI, SSCI | 545 | 12,726 | 139,486 | 0.3 |
| MATHEMATICS | Mathematics | ESCI, SCIE | 497 | 42,175 | 786,387 | 0.7 |
| MATERIALS SCIENCE, MULTIDISCIPLINARY | Materials Science; Multidisciplinary | ESCI, SCIE | 464 | 192,757 | 9,148,448 | 3.3 |
| LAW | Multidisciplinary; Social Sciences, General | ESCI, SSCI | 444 | 12,019 | 201,729 | 0.6 |
| PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH | Clinical Medicine; Environment/Ecology | ESCI, SCIE, SSCI | 423 | 54,458 | 1,995,768 | 2.1 |
| MANAGEMENT | Economics & Business | ESCI, SSCI | 422 | 23,505 | 1,586,438 | 2.8 |
| HUMANITIES, MULTIDISCIPLINARY | Arts & Humanities, Interdisciplinary | AHCI, ESCI | 419 | 12,966 | 92,891 | 0.2 |

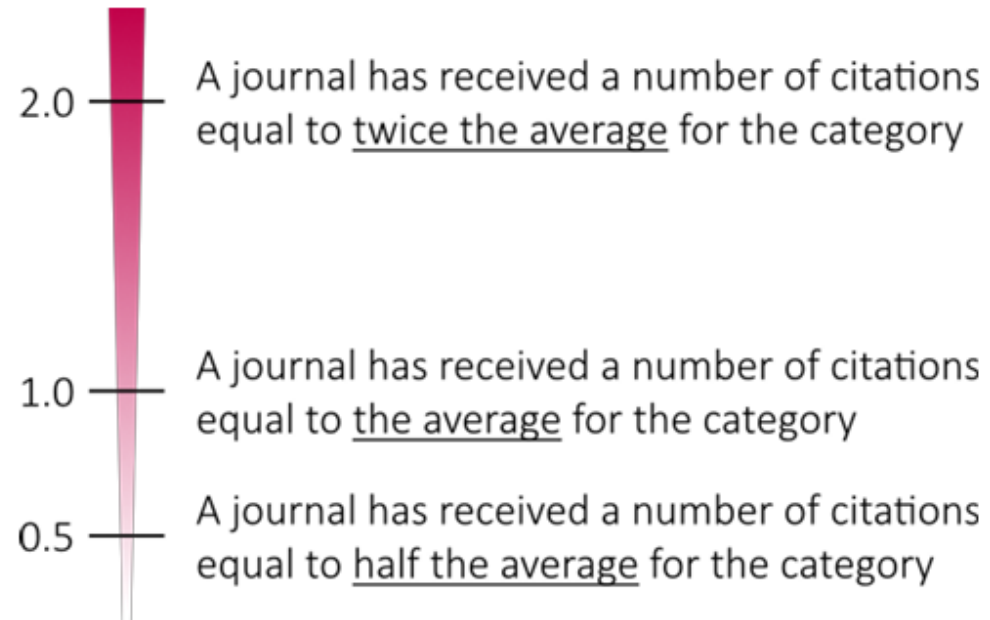
Journal Citation Indicator (JCI)

Introduced in 2021, the Journal Citation Indicator harnesses another Clarivate measure: Category Normalized Citation Impact (CNCI), a metric found in InCites.

For each article and review:
Category Normalized Citation Impact (CNCI) = $\frac{\text{Actual citations}}{\text{Expected citations}}$

Expected citations = Average cites to items of the same document type, year, and category

The value of the Journal Citation Indicator is the mean Category Normalized Citation Impact (CNCI) for all articles and reviews published in the most recent three years (e.g., between 2021 and 2023 for the 2024 indicator value).



- The JCI is a normalized indicator and is not category dependent.
- Journals in multiple categories will have a single JCI.
- The average JCI of any category is approximately 1.

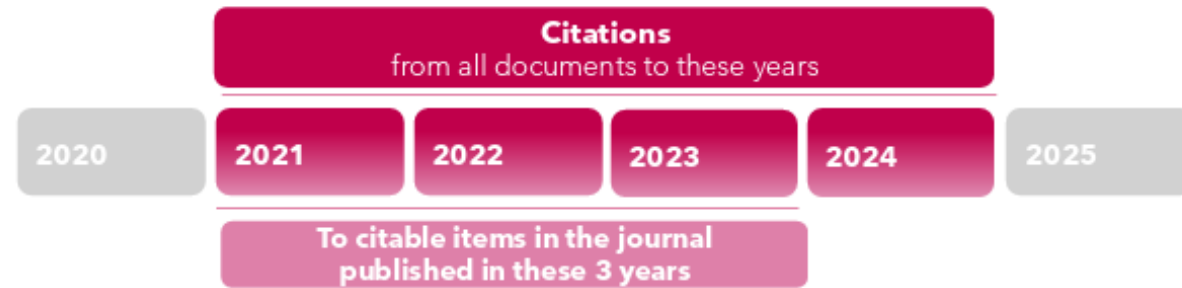
¿Cómo se calcula el Journal Citation Indicator (JCI)?

The Journal Citation indicator is available to all journals in the following editions:

- Science Citation Index Expanded
- Social Sciences Citation Index
- Arts & Humanities Citation Index
- Emerging Sources Citation Index

The Journal Citation Indicator, a field-normalized metric, represents the average category-normalized citation impact for papers published in the prior three-year period.

For example, the 2024 Journal Citation Indicator will be calculated for journals that published citable items (i.e., articles or reviews) in 2021, 2022 and 2023, counting all citations they received from any document indexed between 2021 and 2024

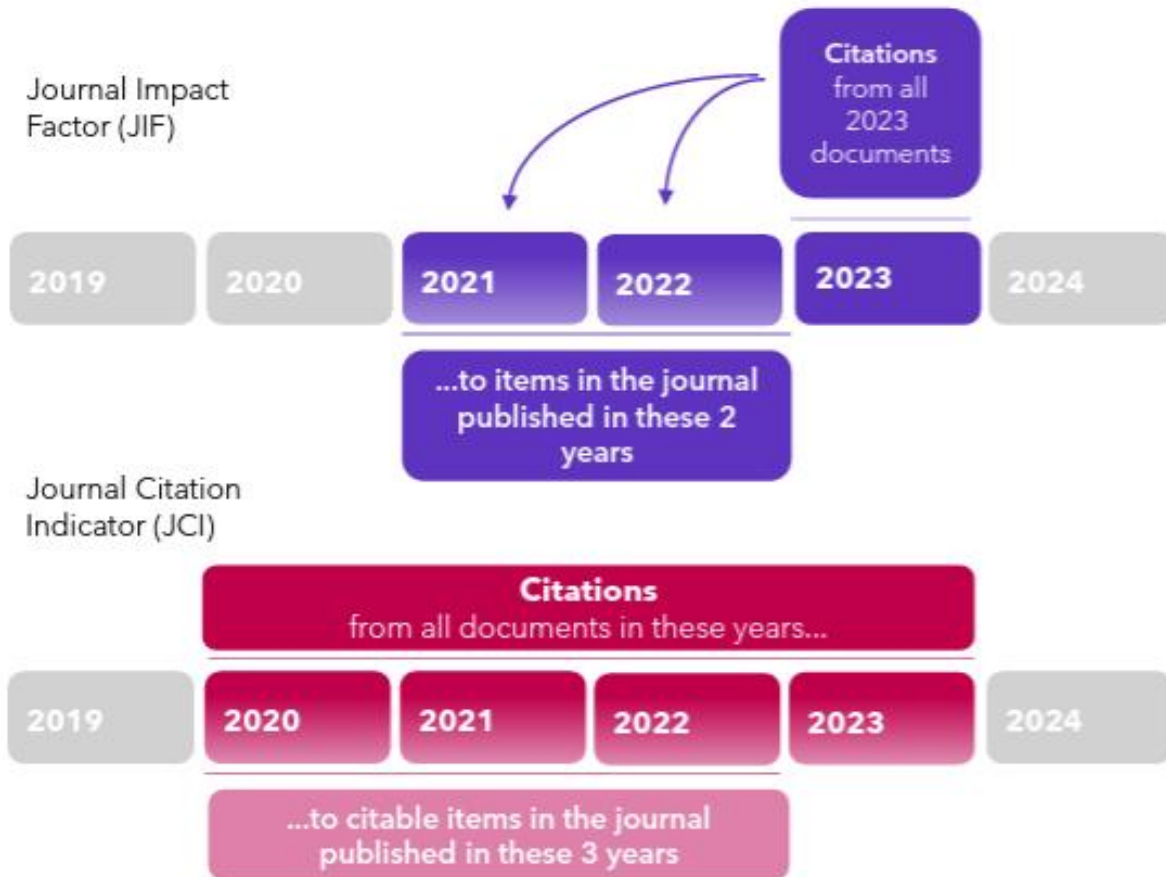


Journal Citation Indicator (JCI)

For more information, [download JCR reference guide](#)

JIF versus JCI

These are complementary, but also different metrics



| Feature | Journal Impact Factor | Journal Citation Indicator |
|---|-----------------------|----------------------------|
| All Web of Science Core Collection journals | Y | Y |
| Field-normalized citation metric | N | Y |
| Fixed dataset | Y | Y |
| Counts citations from the entire Core Collection | Y | Y |
| Counts citations from the current year only | Y | N |
| Includes Early Access (EA) content from 2020 onward | Y | Y |
| Includes unlinked citations | Y | N |
| Fractional counting | N | N |

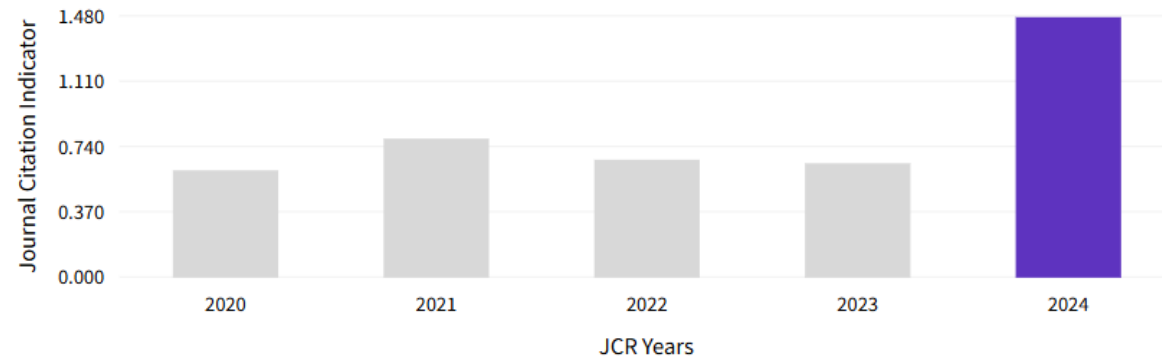
El Journal Citation Indicator (JCI) complementa el Journal Impact Factor (JIF)

Journal Citation Indicator (JCI)

Export

1.48

The Journal Citation Indicator (JCI) is the average Category Normalized Citation Impact (CNCI) of citable items (articles & reviews) published by a journal over a recent three year period. The average JCI in a category is 1. Journals with a JCI of 1.5 have 50% more citation impact than the average in that category. It may be used alongside other metrics to help you evaluate journals. [Learn more](#)



[View all years](#)

2024 JOURNAL IMPACT FACTOR

2.1

[View calculation](#)

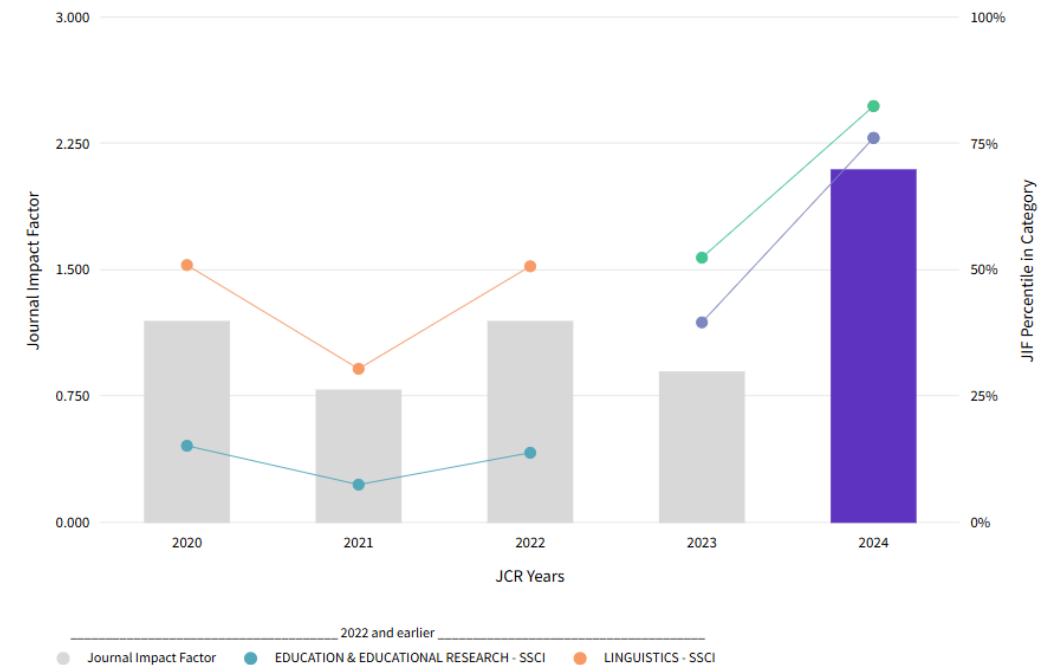
JOURNAL IMPACT FACTOR WITHOUT SELF CITATIONS

1.9

[View calculation](#)

Journal Impact Factor Trend 2024

Export



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Entender los percentiles

El percentil de una revista determina la clasificación de la revista dentro de la categoría

| Journal name ▼ | ISSN | eISSN | Category | 2022 JIF ▼ | JIF Quartile | 2022 JCI ▼ | JIF Percentile | JIF Rank |
|---|-----------|-----------|------------------|------------|--------------|------------|----------------|----------|
| <input type="checkbox"/> QUARTERLY JOURNAL OF ECONOMICS | 0033-5533 | 1531-4650 | ECONOMICS - SSCI | 13.7 | Q1 | 5.14 | 99.9 | 1/380 |
| <input type="checkbox"/> Energy Economics | 0140-9883 | 1873-6181 | ECONOMICS - SSCI | 12.8 | Q1 | 3.56 | 99.6 | 2/380 |
| <input type="checkbox"/> JOURNAL OF ECONOMIC LITERATURE | 0022-0515 | 2328-8175 | ECONOMICS - SSCI | 12.6 | Q1 | 4.18 | 99.3 | 3/380 |
| <input type="checkbox"/> AMERICAN ECONOMIC REVIEW | 0002-8282 | 1944-7981 | ECONOMICS - SSCI | 10.7 | Q1 | 3.53 | 99.1 | 4/380 |
| <input type="checkbox"/> TRANSPORTATION RESEARCH PART E-LOGISTICS AND TRANSPORTATION REVIEW | 1366-5545 | 1878-5794 | ECONOMICS - SSCI | 10.6 | Q1 | 2.32 | 98.8 | 5/380 |
| <input type="checkbox"/> JOURNAL OF PUBLIC ECONOMICS | 0047-2727 | 0047-2727 | ECONOMICS - SSCI | 9.8 | Q1 | 2.68 | 98.6 | 6/380 |

La revista con el JIF más alto dentro de una categoría se clasifica como 1 y tiene el percentil más alto

¿Cómo se calculan los cuartiles?

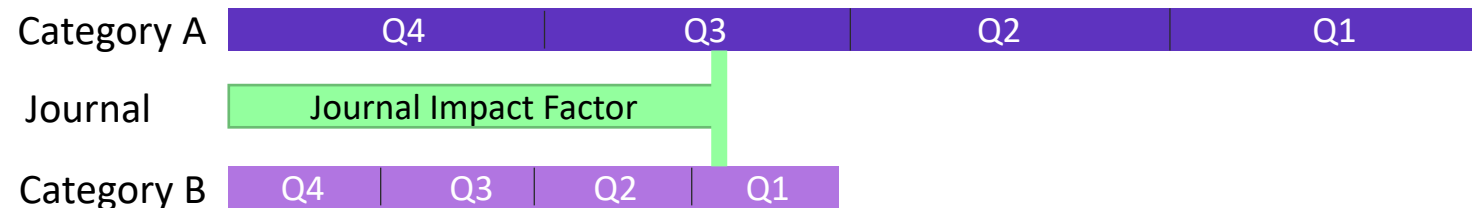
X = el rango de la revista en la categoría
Y = el número de revistas de la categoría

$$Z = X/Y$$

[Link to the details behind quartile, percentile & other metrics calculation](#)

| | | |
|----|---------------------|---------------------------------------|
| Q1 | $0.0 < Z \leq 0.25$ | Highest ranked journals in a category |
| Q2 | $0.25 < Z \leq 0.5$ | |
| Q3 | $0.5 < Z \leq 0.75$ | |
| Q4 | $0.75 < Z$ | Lowest ranked journals in a category |

Una revista puede estar indexada en 2 categorías y tener un percentil y cuartil diferente en cada una de las categorías.



Percentiles and quartiles are normalized metrics



Rank by Journal Impact Factor

Journals within a category are sorted in descending order by Journal Impact Factor (JIF) resulting in the Category Ranking below. A separate rank is shown for each category in which the journal is listed in JCR. Beginning in 2023, ranks are calculated by category. [Learn more](#)

CATEGORY

EDUCATION & EDUCATIONAL RESEARCH

182/762

| JCR YEAR | JIF RANK | JIF QUARTILE | JIF PERCENTILE | |
|----------|----------|--------------|----------------|--|
| 2024 | 182/762 | Q1 | 76.2 | |
| 2023 | 459/760 | Q3 | 39.7 | |

CATEGORY

LINGUISTICS

54/306

| JCR YEAR | JIF RANK | JIF QUARTILE | JIF PERCENTILE | |
|----------|----------|--------------|----------------|--|
| 2024 | 54/306 | Q1 | 82.5 | |
| 2023 | 141/296 | Q2 | 52.5 | |



Rank by Journal Citation Indicator (JCI)

Journals within a category are sorted in descending order by Journal Citation Indicator (JCI) resulting in the Category Ranking below. A separate rank is shown for each category in which the journal is listed in JCR. Data for the most recent year is presented at the top of the list, with other years shown in reverse chronological order. [Learn more](#)

CATEGORY

EDUCATION & EDUCATIONAL RESEARCH

100/762

| JCR YEAR | JCI RANK | JCI QUARTILE | JCI PERCENTILE | |
|----------|----------|--------------|----------------|--|
| 2024 | 100/762 | Q1 | 86.94 | |
| 2023 | 386/760 | Q3 | 49.28 | |

CATEGORY

LINGUISTICS

46/306

| JCR YEAR | JCI RANK | JCI QUARTILE | JCI PERCENTILE | |
|----------|----------|--------------|----------------|--|
| 2024 | 46/306 | Q1 | 85.13 | |
| 2023 | 160/296 | Q3 | 46.11 | |

JCR has been gradually adding indicators to journal profiles



2021 release:

Introduction of JCI for all journals in the Core Collection



2023 release:

Introduction of JIF for ESCI and AHCI journals



2024 release:

Introduction of JIF percentile and quartile for ESCI journals

| | Science (SCIE) | Social Sciences (SSCI) | Arts & Humanities (AHCI) | Emerging Sources (ESCI) |
|----------------------------------|----------------|------------------------|--------------------------|-------------------------|
| Journal Impact Factor (JIF) | ✓ | ✓ | | |
| JIF Percentile | ✓ | ✓ | | |
| JIF Quartile | ✓ | ✓ | | |
| Journal Citation Indicator (JCI) | ✓ | ✓ | ✓ | ✓ |
| JCI Percentile | ✓ | ✓ | ✓ | ✓ |
| JCI Quartile | ✓ | ✓ | ✓ | ✓ |
| Journal Impact Factor (JIF) | ✓ | ✓ | ✓ | ✓ |
| JIF Percentile | ✓ | ✓ | | |
| JIF Quartile | ✓ | ✓ | | |
| Journal Citation Indicator (JCI) | ✓ | ✓ | ✓ | ✓ |
| JCI Percentile | ✓ | ✓ | ✓ | ✓ |
| JCI Quartile | ✓ | ✓ | ✓ | ✓ |
| Journal Impact Factor (JIF) | ✓ | ✓ | ✓ | ✓ |
| JIF Percentile | ✓ | ✓ | | ✓ |
| JIF Quartile | ✓ | ✓ | | ✓ |
| Journal Citation Indicator (JCI) | ✓ | ✓ | ✓ | ✓ |
| JCI Percentile | ✓ | ✓ | ✓ | ✓ |
| JCI Quartile | ✓ | ✓ | ✓ | ✓ |

June 2021

June 2023

June 2024

Conclusion about journal citation impact indicators

Metrics we can use to compare journals
IN THE SAME
Web of Science category

Journal Impact Factor (JIF)

JIF Percentile

JIF Quartile

Journal Citation Indicator (JCI)

JCI Percentile

JCI Quartile

Metrics we can use to compare journals
IN DIFFERENT
Web of Science categories

JIF Percentile

JIF Quartile

Journal Citation Indicator (JCI)

JCI Percentile

JCI Quartile

Only normalized metrics


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Journal information in Web of Science

Summary in the document record

Journal information

COGENT FOOD & AGRICULTURE 

[View Journal Impact](#)

Search within Web of Science FRANCIS AS, KARL JOHANS GATE 5, NO-0154 OSLO, NORWAY

Journal Impact Factor **1.7**
Journal Impact Factor™ (2023)

Journal Citation Indicator™ (2023) **0.51**

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Journal Impact Factor [Journal Citation Reports™](#)

Research Areas Agriculture

Web of Science Categories Agriculture, Multidisciplinary

COGENT FOOD & AGRICULTURE
Publisher name: TAYLOR & FRANCIS AS

Journal Impact Factor™

1.7 2023 **2.7** Five Year

| JCR Category | Category Rank | Category Quartile |
|--|---------------|-------------------|
| AGRICULTURE, MULTIDISCIPLINARY in SCIE edition | 32/89 | Q2 |

Source: Journal Citation Reports 2023. [Learn more](#)

Journal Citation Indicator™ ⓘ

0.51 2023 **0.55** 2022

- Summary of latest JCR data if you have an institutional subscription
- Link to JCR if you need to find data from a different publication year

| JCI Category | Category Rank | Category Quartile |
|--|---------------|-------------------|
| AGRICULTURE, MULTIDISCIPLINARY in SCIE edition | 33/89 | Q2 |

The Journal Citation Indicator is a measure of the average Category Normalized Citation Impact (CNCI) of citable items (articles and reviews) published by a journal over a recent three year period. It is used to help you evaluate journals based on other metrics besides the Journal Impact Factor (JIF). [Learn more](#)

Interested in reviewing for this journal?
Add this journal to your reviewer interest list. [Add Journal](#)

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Para cualquier pregunta relacionada con el funcionamiento de las herramientas, por favor contacte con los servicios de su biblioteca o bien con wosg.support@clarivate.com

