Elsevier Journal and Article Ecosystem

2022 Summary
As a global leader in scientific, technical and medical publishing, Elsevier is proud to support authors and research communities in ensuring quality research can be accessed, trusted, shared, and built upon to accelerate progress that benefits society.

Our 2,800 scientific, technical and medical journals are integral to the scientific record and to the broader exchange of knowledge and ideas. To support this scientific endeavour, the editorial review, peer review and other parts of the publishing process faithfully mirror the rigour and care that goes into research itself.

We openly provide key data so authors and the research communities that we serve can find consistent information about how our journals are growing content, advancing open access articles, and offering value and high impact.

In 2022, we received 2.7 million research papers from authors – more than double the total submissions in 2015. These were reviewed by our in-house editorial teams in collaboration with 32,000 editors and 1.4 million expert reviewers around the world, resulting in over 600,000 articles being enhanced, published, indexed, certified and promoted following a peer review. The global scientific community accessed over 1.8 billion articles across our journal platforms.

- **Submissions** to Elsevier journals continue growing strongly: +10% CAGR since 2011
- Fast growth of **open access** article volume: +48% CAGR since 2011. With 150,000 OA articles published in 2022, and with all our 2,800 journals offering OA options, including 700 Gold OA journals, Elsevier is a global leader in open access publishing.
- Articles published in Elsevier journals account for 18% of global research output while garnering 28% of citations, demonstrating our commitment to delivering research quality significantly ahead of the industry average.
- We publish more articles and at higher quality relative to other publishers – yet our average list price per subscription article remains 2-3 times lower than other publishers. Elsevier’s average list prices per subscription prices have remained flat over the last ten years, compared to average increases of around 6% per annum by other publishers.
Journal and Article Ecosystem
How Elsevier supports scholarly communication

**Community building**
- over 2,800 journal brands

**Filtering/Editing**
- >2.7m article submissions
- >600,000 published articles
- 32,000 editors
- >100,000 editorial board members
- ~1.4 million reviewers

**Archiving**
- >20 million articles

**Dissemination**
- >1.8 billion articles consumed

**Production**
- Technological enrichment

**Solicit & manage submissions**

**Archive & promote**

**Publish & disseminate**

**Edit & prepare**

**Manage Peer review**

**Technological enrichment**
Article Volume Growth: Submissions
Consistent article submissions volume growth

Elsevier Submitted Articles (Units, Millions)

<table>
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CAGR +10%

2019-22 CAGR: +7%
Article Volume Growth: Published Articles

Consistent published articles volume growth

Elsevier Published Articles (’000)

- CAGR +6%
- 2019-22 CAGR: +7%

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<th>Year</th>
<th>Articles ('000)</th>
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<td>2021</td>
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<td>2022</td>
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Elsevier Open Access Articles Published ('000)

- Open Access Articles in Full OA Journals
- Open Access Articles in Hybrid Journals

2019-22 CAGR: +45%

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Journal and Article Quality

Article and citation share

<table>
<thead>
<tr>
<th>Article Share</th>
<th>Citation Share</th>
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<tr>
<td><strong>Elsevier</strong></td>
<td><strong>Publisher A</strong></td>
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<tr>
<td>18%</td>
<td>28%</td>
</tr>
<tr>
<td>7%</td>
<td>14%</td>
</tr>
<tr>
<td>4%</td>
<td>7%</td>
</tr>
<tr>
<td>59%</td>
<td>46%</td>
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</tbody>
</table>

Share of articles per publisher (published in 2017-2021) and citation share (citations in 2017-21 in relation to articles published in 2017-21). Source: Scopus data.
Journal and Article Quality
Share of articles per journal quality tier

Share of articles per journal Field Weighted Citation Impact Tier*

Total market
- Elsevier: 18%
- Publisher A: 12%
- Publisher B: 7%
- Publisher C: 4%
- Other: 59%

Share of articles in top 10% journal FWCI tier
- Elsevier: 33%
- Publisher A: 29%
- Publisher B: 13%
- Publisher C: 13%
- Other: 4%

Share of articles in 10-25% journal FWCI tier
- Elsevier: 33%
- Publisher A: 29%
- Publisher B: 13%
- Publisher C: 13%
- Other: 4%

Share of articles in 25-50% journal FWCI tier
- Elsevier: 33%
- Publisher A: 29%
- Publisher B: 13%
- Publisher C: 13%
- Other: 4%

Share of articles in bottom 50% journal FWCI tier
- Elsevier: 33%
- Publisher A: 29%
- Publisher B: 13%
- Publisher C: 13%
- Other: 4%

* Articles published in 2017-2021. Field Weighted Citation Impact (FWCI) is calculated on the basis of citations in 2017-21 to articles published in 2017-21 and accounts for article type, publication year and subject field. Source: Scopus data.
Journal and Article Quality
Share of articles per journal quality tier

Articles published 2017-21. Field Weighted Citation Impact (FWCI) calculated based on citations in 2017-21 to articles published in 2017-21 and accounts for article type, publication year and subject field. Source: Scopus data.
Leading research platforms with global reach and scale

- \( >100m \) Monthly visits +25% CAGR since 2017
- \( >50m \) Unique monthly visitors
- \( 1.8bn \) Articles consumed*
- \( >600k \) Searches per day
- \( >70 \) Article views per second

* Unique article views and downloads, adjusted to remove double counting

Increasing article volume, search and usability, adding sophisticated analytical capabilities
Indexed Average Subscription Article List Price*

* Indexed weighted average of list prices for 2021 subscription year versus articles published in 2021 taking Elsevier as baseline. Source: Publisher websites, Scopus data. Unpay wall database
Journal Article Price
Average list price per subscription article over time

Growth Rate of Average Subscription Article List Price*

-0.4%  0.5%  7.7%  5.6%  8.6%  6.0%
5 years 10 years 5 years 10 years 5 years 10 years 5 years 10 years
Elsevier Publisher A Publisher B Publisher C

* 5-year (2017-2021) and 10-year (2012-2021) compound annual growth rates
Source: Publisher websites, Scopus data, Unpaywall database
Article publishing charges
Delivering above-average quality at below-average price

APC charges* by journal type

Hybrid journals

Gold journals

* 2021 Volume Weighted – Based on quantity of Open Access articles, list price APCs. Bubble size represents number of OA output 2021 that have APC data.
Sources: Unpaywall, DeltaThink, Elsevier; January 2021