

Trends in Accessibility of Chemistry Journals

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Outline

- Free chemistry resources on the Web
- The directory
Free Full-Text Journals in Chemistry
- Snapshots of the content in 2004 and 2005. Changes in accessibility.
- Free content in 2006

Sources of free access to journals

- Open Access Initiative
- Publisher's promotional strategy
- Government's funding
- Funding from a scholarly society, university, etc.

User's criterion for the accessibility:
free vs. **paid**

Major publishers of highly cited international chemical journals

- provide complimentary access to selected fractions of published content
- follow different strategies in granting free access to their publications

Free content

comparison of publishers

Elsevier
ScienceDirect

- Entirely open journals
- Extensively open
- Single volumes
- Single issues

Wiley
InterScience

- Single issues or papers.
- Registration required.

Free content comparison of publishers

Royal Society of Chemistry

- **Back volumes**
(1997-2003 in 2006)
- Hot Papers
(for 1 month
after publication)

American Chemical Society

- **Sample issues,**
Hot Papers
- First pages of papers
in the archive

Free content comparison of publishers

Springer SpringerLink

- Trial access to **all online content of a selected** journal (or a set of journals)
- Full access to few journals

Institute of Physics Publishing

- Free access to the **current issue** during **30 days** after the publication date

Interdisciplinary journal archives with chemical content

- National, *e.g.*
[J-STAGE](#) - Japan
- Regional, *e.g.*
[SciELO](#) - Latin America
- International, *e.g.*
[DOAJ](#) - journals that comply with regulations of the Open Access Initiative

Specialised journal archives

- Chemistry:
 - sites of national chemical societies,
 - international learned societies,
 - universities, single journal sites.
- Life Sciences, *e.g.*
 - [HighWire Press](#)
 - [PubMed Central](#)
 - [BioMed Central](#)

Types of free access periods

- **Expanding with current issues added**, *e.g.*:
Journal of the Korean Chemical Society
(since v.1, 1949 until present)
- **Expanding behind a moving wall**, *e.g.*:
Journal of Lipid Research (since v.1, 1959
excepting 12 months after publication)
Journal of Materials Chemistry (since v.7, 1997,
excepting latest 3 calendar years)
- **Fixed**, *e.g.*:
Radiochimica Acta (2000-2002)

Lists and directories of free chemical journals

- [Electronic Journals Library](#)
- [Open J-Gate](#)
- [Selected Scientific Journals](#)
- [ChIN](#) - Chemical Information Network

- [Free Full-Text Journals in Chemistry](#)
This site gives information on the free content available as a result of different publishing policies

Free Full-Text Journals in Chemistry

<http://www.abc.chemistry.bsu.by/current/>

The directory gives links to journals that satisfy the following **criteria**:

- peer-reviewed publications
- one-year free content at least, or extensive free supplements to printed versions
- chemistry or chemistry-related content
- English (or Russian) language of articles

Part 1. Permanently available journals

Back Search Address http://www.abc.chemistry.bsu.by/current/fulltext.htm



Virtual instruments for electrochemistry and surface science
[Free articles](#)

Free Full-Text Journals in Chemistry

Part A. Permanently available chemical journals

[See also: Part B. Trials and temporarily available chemical journals](#)

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[AAPS Journal](#) - Articles (1999-present) [HTML, PDF], Accepted Papers [PDF] ||| *American Association of Pharmaceutical Scientists* ||| Formerly **AAPS PharmSci**

[AAPS Ph...](#) ... HTML, P ... ation

[Academic Op...](#) [Internet Journal](#) - Articles (2000 - present) ... [PDF] ||| *International e-journal, Bulgaria*

[Acta Biochimica et Biophysica Sinica](#) - Articles (2004-present); Selected papers (2001-2003) [PDF, HTML] ||| *Institute of Biochemistry and Cell Biology, Chinese Academy of Sciences*

[Acta Bio...](#) ... ent) [P ... sh

[Acta Biochem...](#) ... hemist

[Acta Chimica Slovenica](#) - Articles (1998 - present) [PDF] ||| *Slovenian Chemical Society*

Link to the journal

Type of the material & Period of the free access

Publisher

Format of papers

Snapshots of the directory:

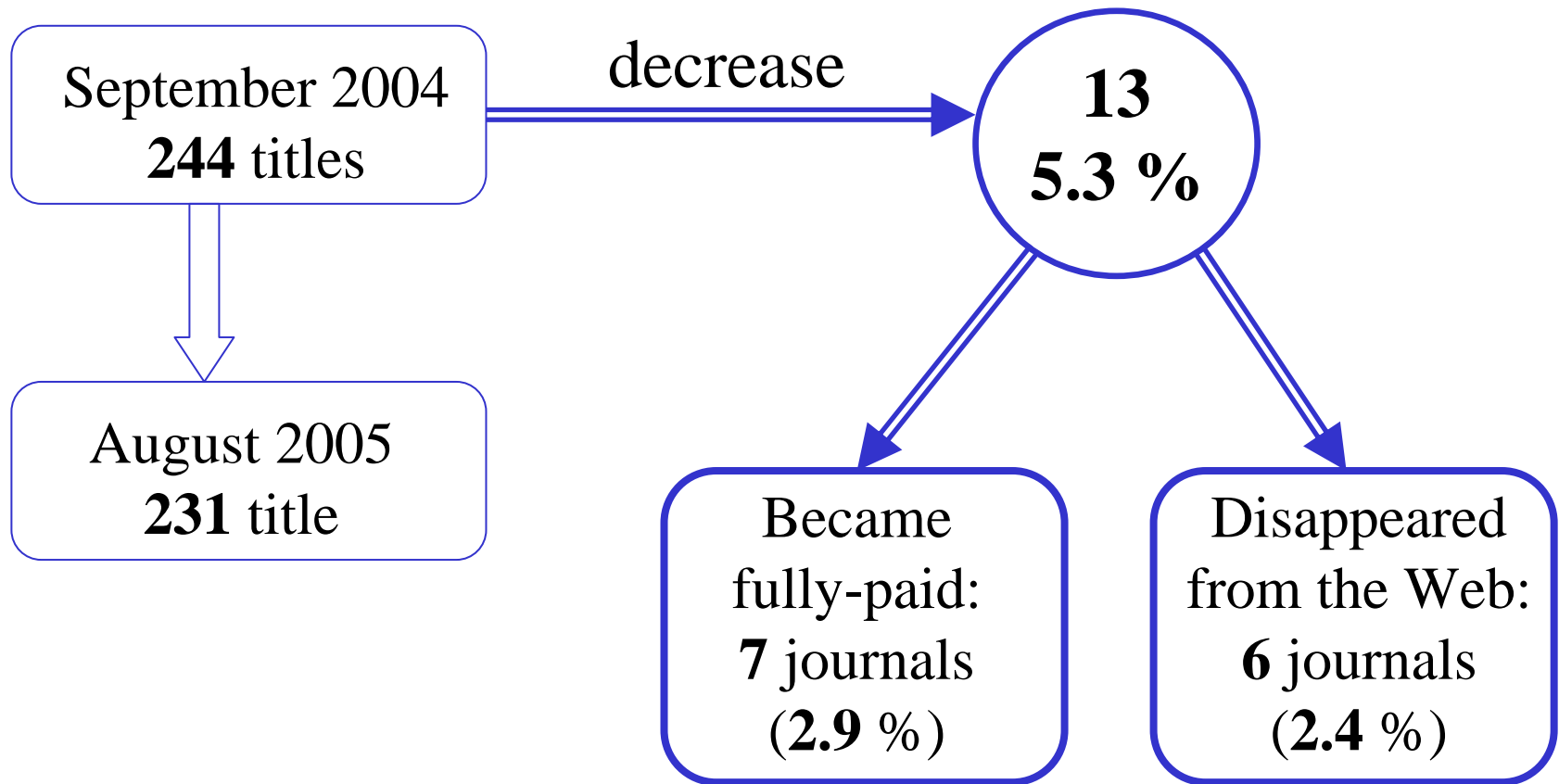
September **2004**

and **the same journals** in August **2005**

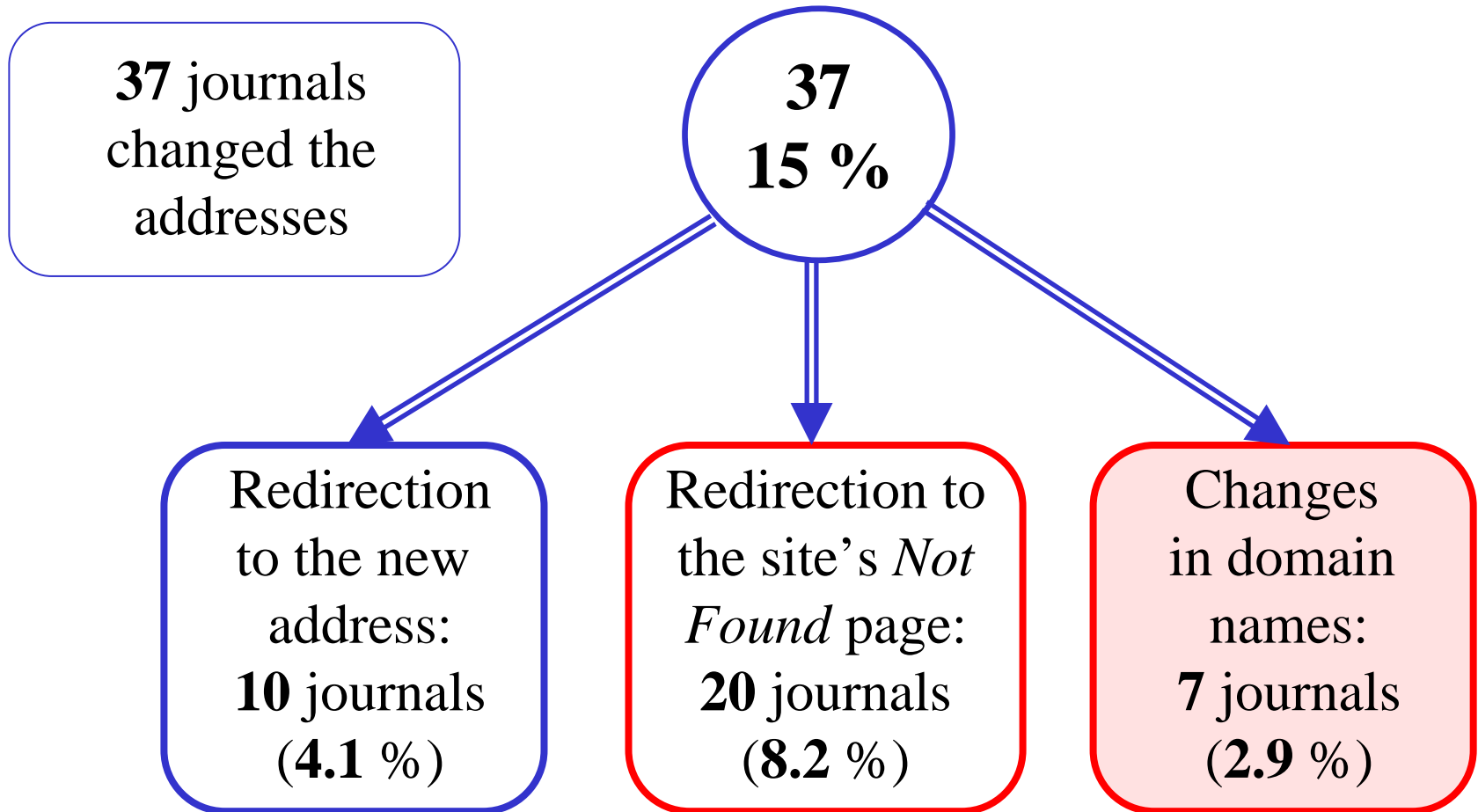
Characteristics of the journals set

<ul style="list-style-type: none">• Total number of journals: 244• with full-text papers: 208• with free supplements only: 36	<p>Language of publication</p> <ul style="list-style-type: none">• English: 217• Russian: 27
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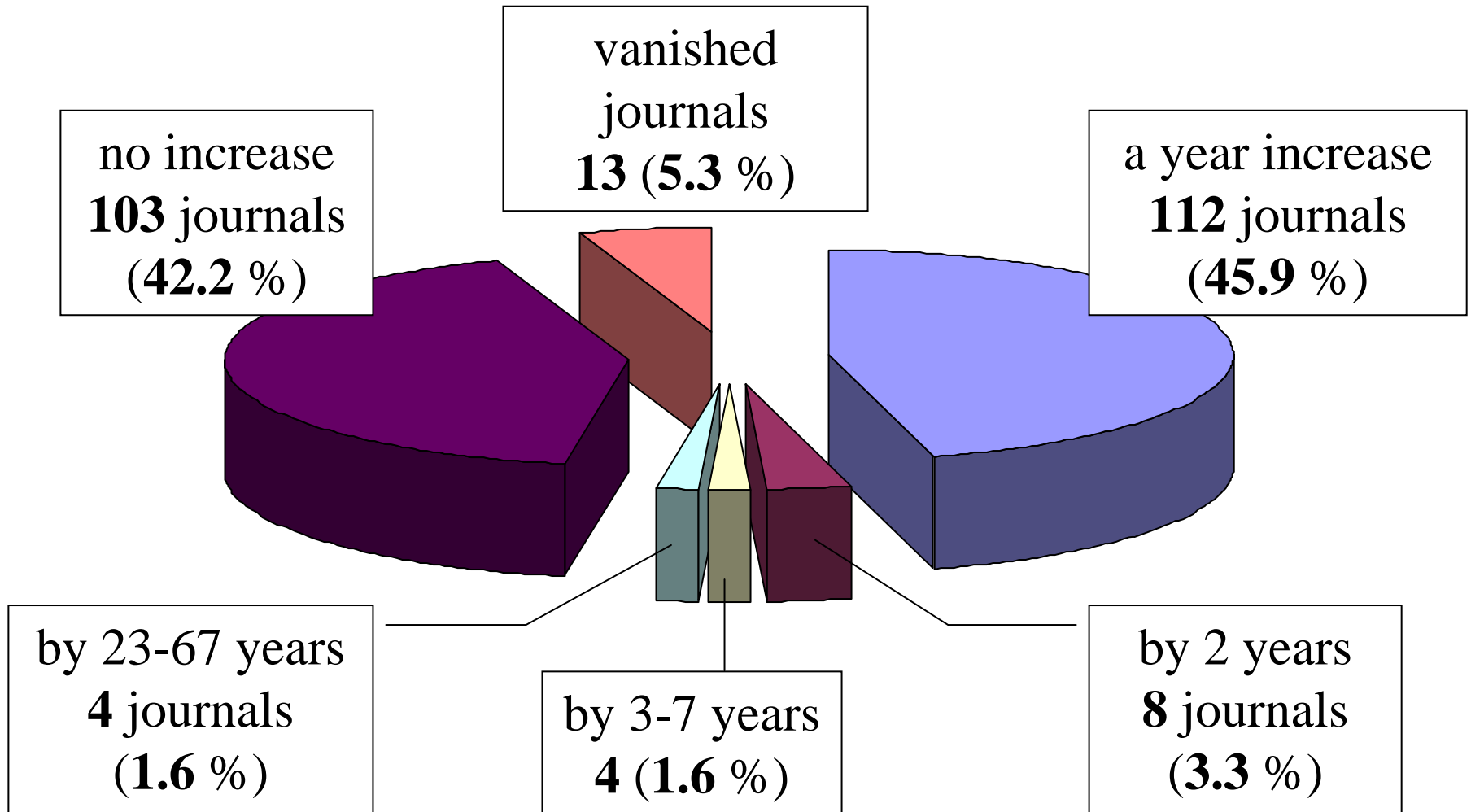
Total number of journals in the sample



Changes of URLs

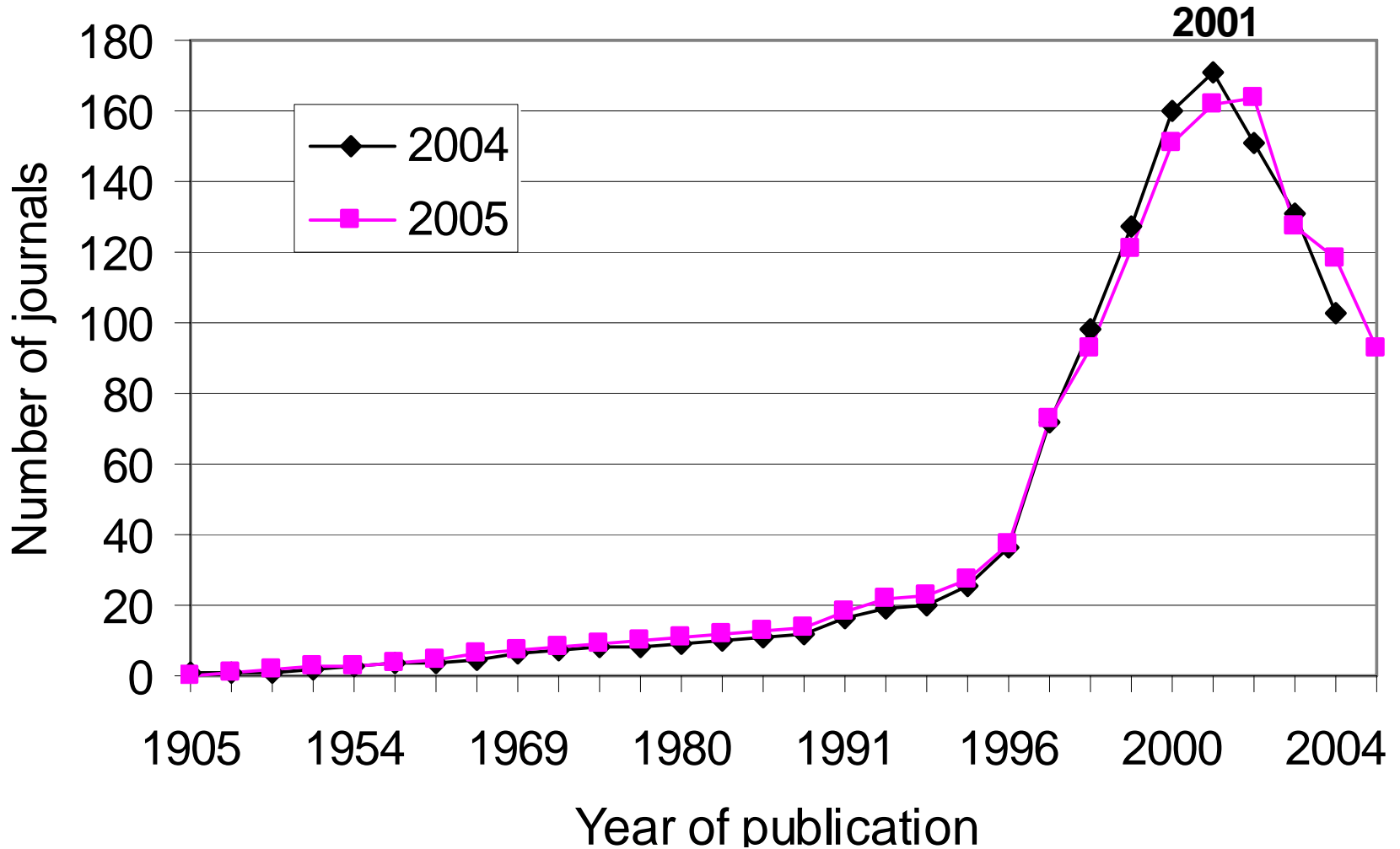


Increase in free content

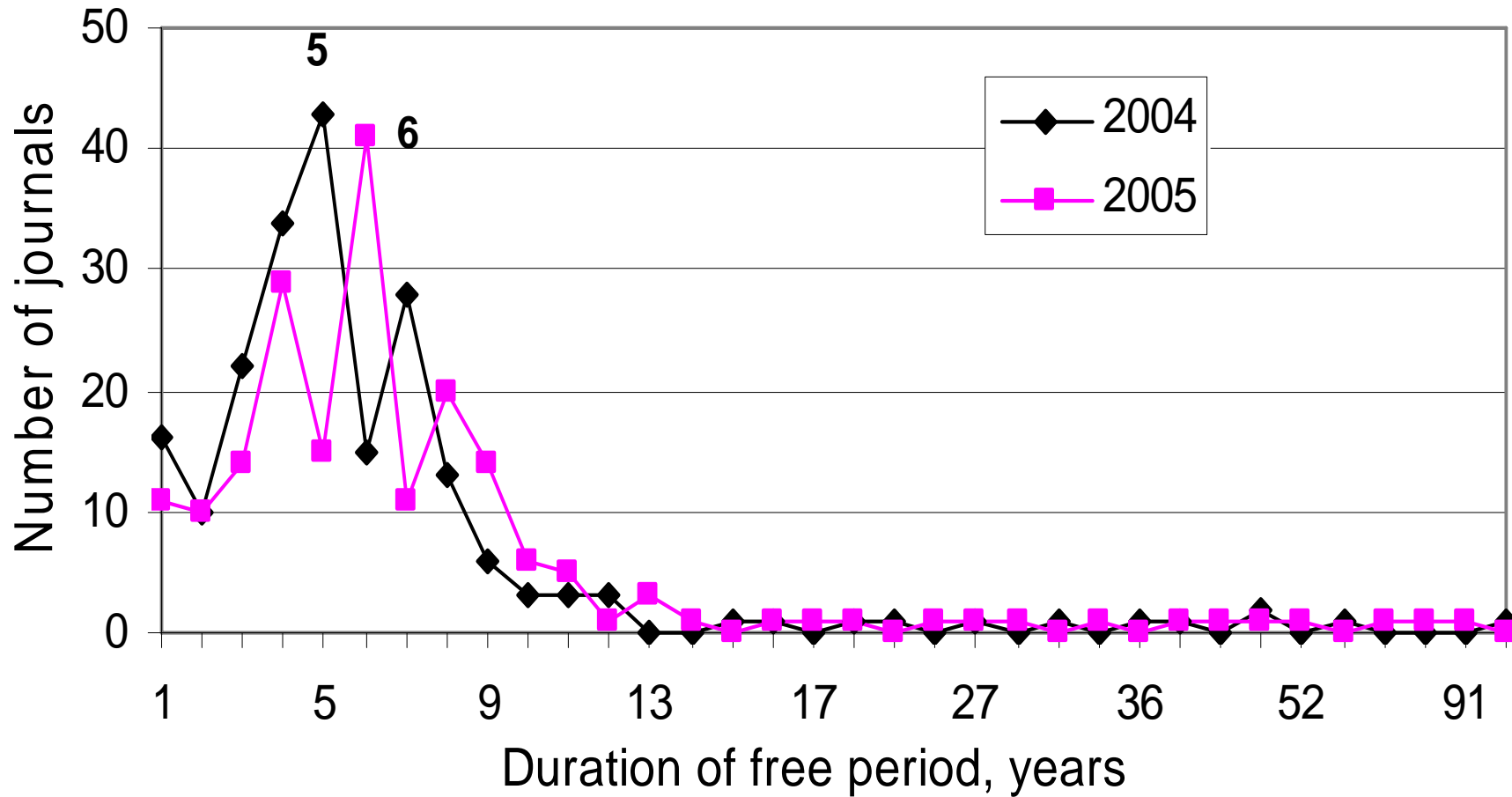


11 (4.5 %) journals have offered extra back volumes

Free content by year of publication



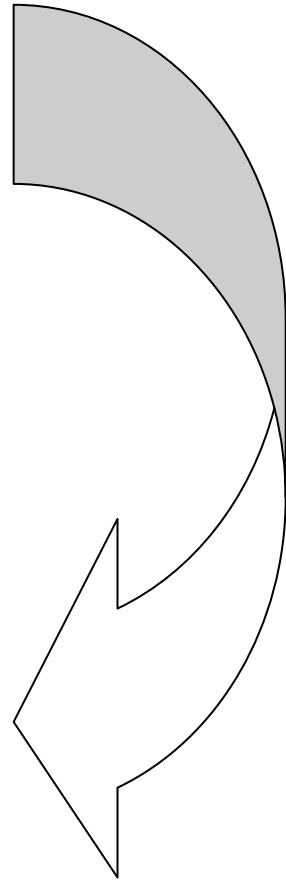
Time range of free access



May 2006: >350 titles in the directory

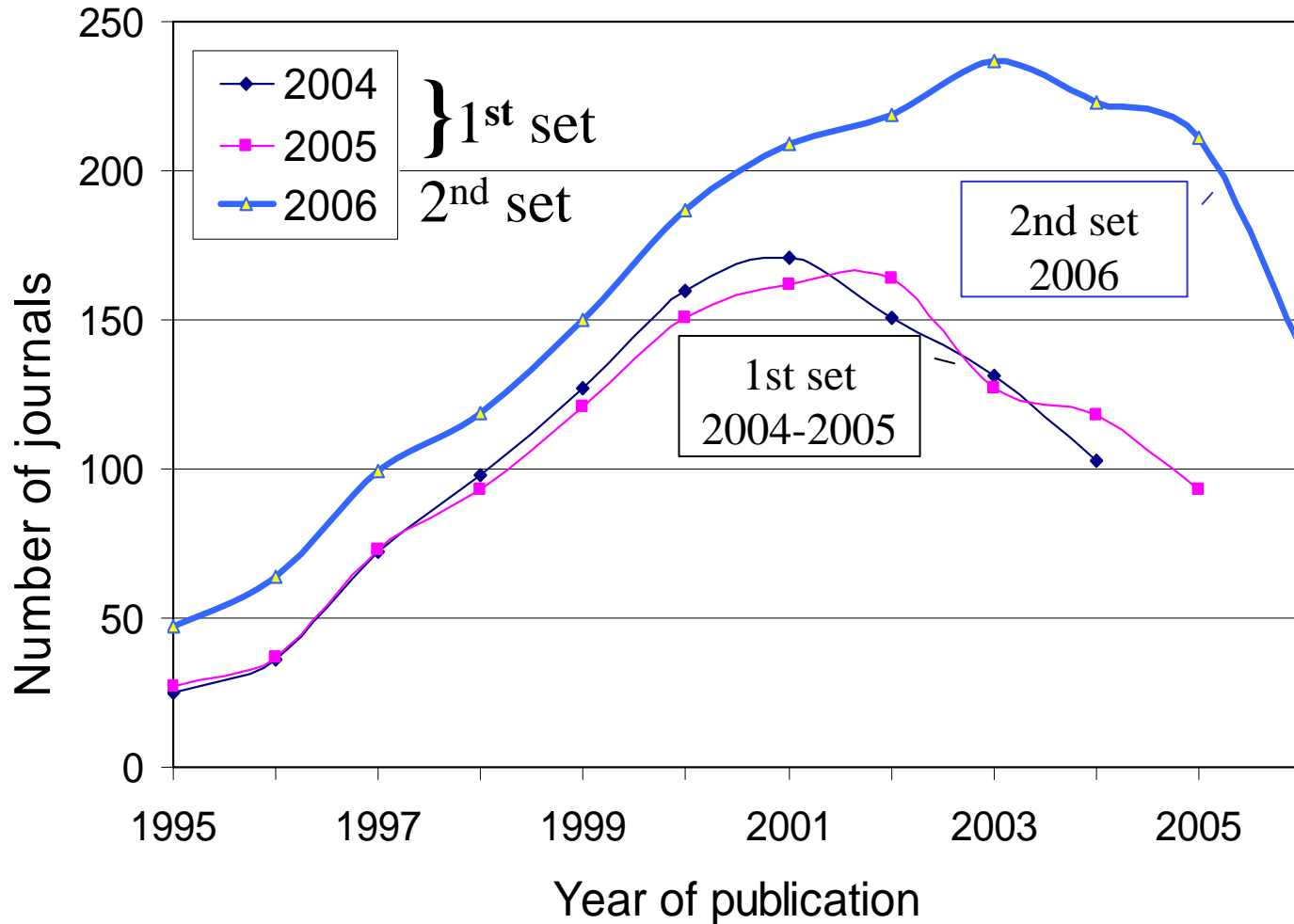
- permanently available full-text journals
(part 1 of the Directory): **299**
- journals with online supplements: 35
- temporarily available
full-text journals (part 2): variable

**Do the trends
remain in 2006?**



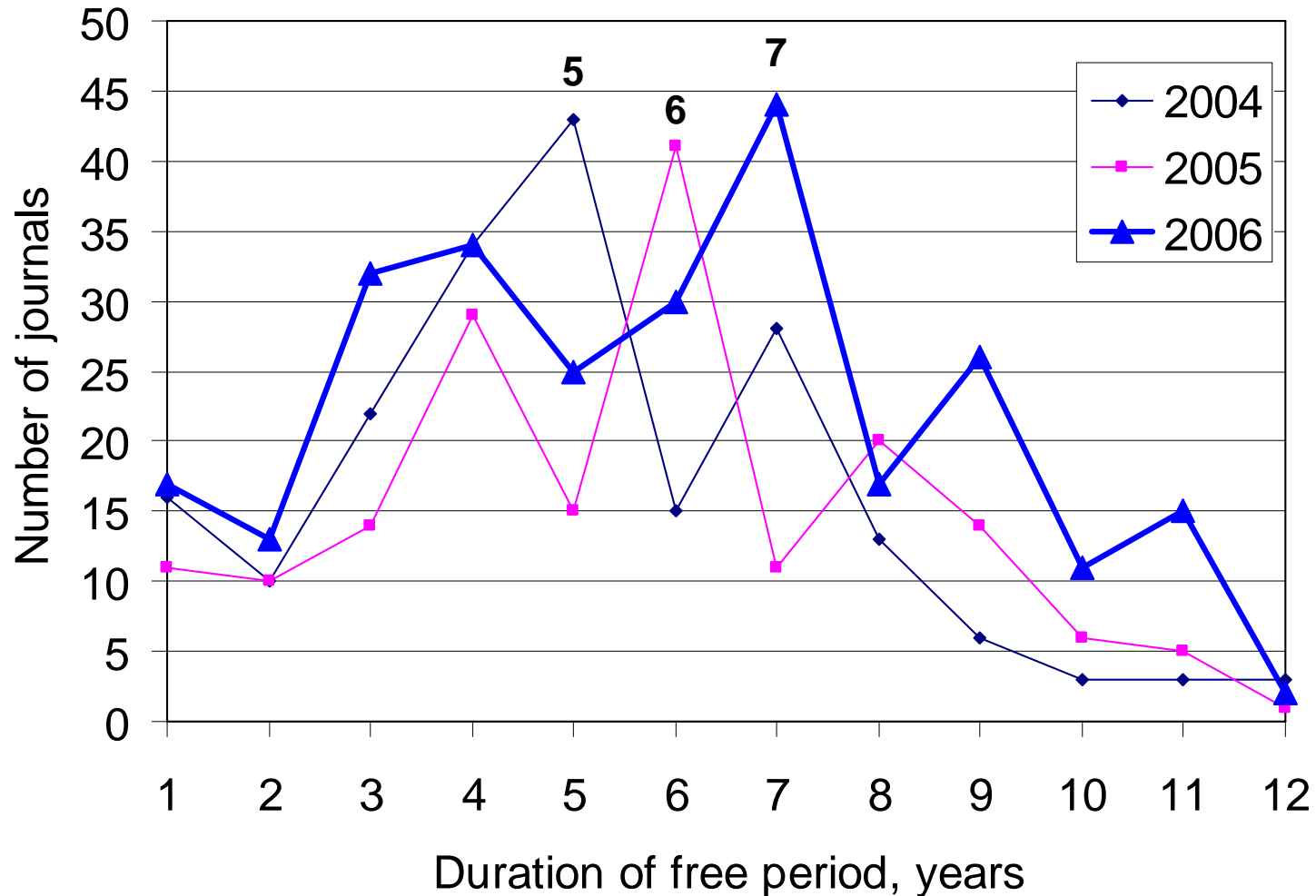
Free content by year of publication

(2 journal sets: 2004/2005 and 2006)



Time range of free access

(2 journal sets: 2004/2005 and 2006)



Conclusion

The analysis shows an increase in free accessibility of chemistry journals, but the increase is slow.

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<http://www.abc.chemistry.bsu.by/current/>