

Citatna prednost otvorenog pristupa

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Odsjek za informacijske i
komunikacijske znanosti

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LE
JOVRNAL
DES
SCAVANS

Du Lundi V. Janvier M. D C. L X V.

Par le Sieur DE HEDOVILLE.



A PARIS.

Chez JEAN CUSSON, rue S. Iacques, à l'Image de S. Iean Baptiste.

M. D C. LXV.

AVEC PRIVILEGE DV ROY.

PHILOSOPHICAL
TRANSACTIONS:
GIVING SOME
ACCOMP'T
OF THE PRESENT
Undertakings, Studies, and Labours
OF THE
INGENIOUS
IN MANY
CONSIDERABLE PARTS
OF THE
WORLD

Vol I.

For Anno 1665, and 1666.

In the SAVOT,
Printed by T. N. for John Martyn at the Bell, a little without Temple-Bar, and James Allestry in Duck-Lane;
Printers to the Royal Society.

Što je otvoreni pristup?

- BOAI, 2002.:
 - Besplatna i neograničena online dostupnost znanstvenih radova namijenjenih objavljivanju u znanstvenim časopisima
 - Dva načina ostvarivanja: otvoreno dostupni časopisi i otvoreno dostupni repozitoriji

Otvoreno dostupni časopisi

- “zlatni put” do otvorenog pristupa
- Directory of Open Access Journals –
[DOAJ](#)

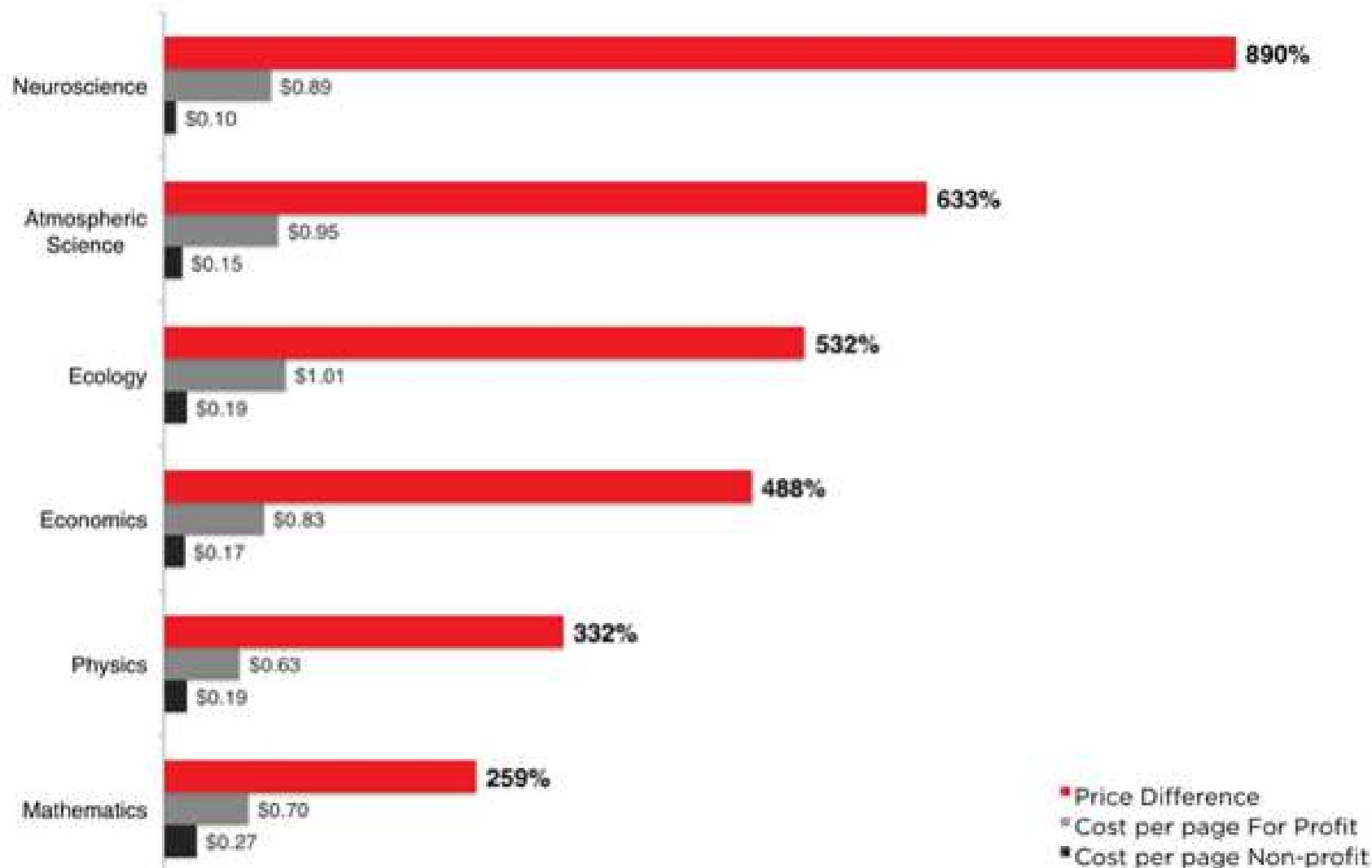


Otvoreno dostupni repozitoriji

- “zeleni put” do otvorenog pristupa (“green route”)
- samoarhiviranje
- pre-print ili post-print
- vrste repozitorija:
 - institucijski (IR)
 - nacionalni
 - disciplinarni
 - ...



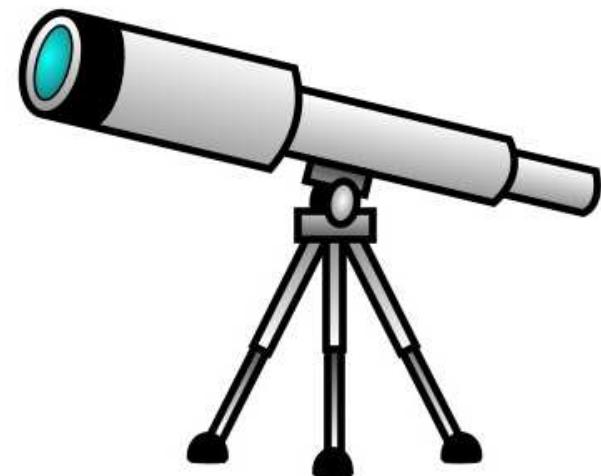
Cost Per Page: Non-Profit vs. For-Profit Journals



Data Source: "The costs and benefits of library site licenses to academic journals," PNAS, Carl Bergstrom and Ted Bergstrom, 01/20/04

Istraživanja

- Veća vidljivost i utjecaj?
- Razlog veće vidljivosti i utjecaja
- Pregledni članci i bibliografije

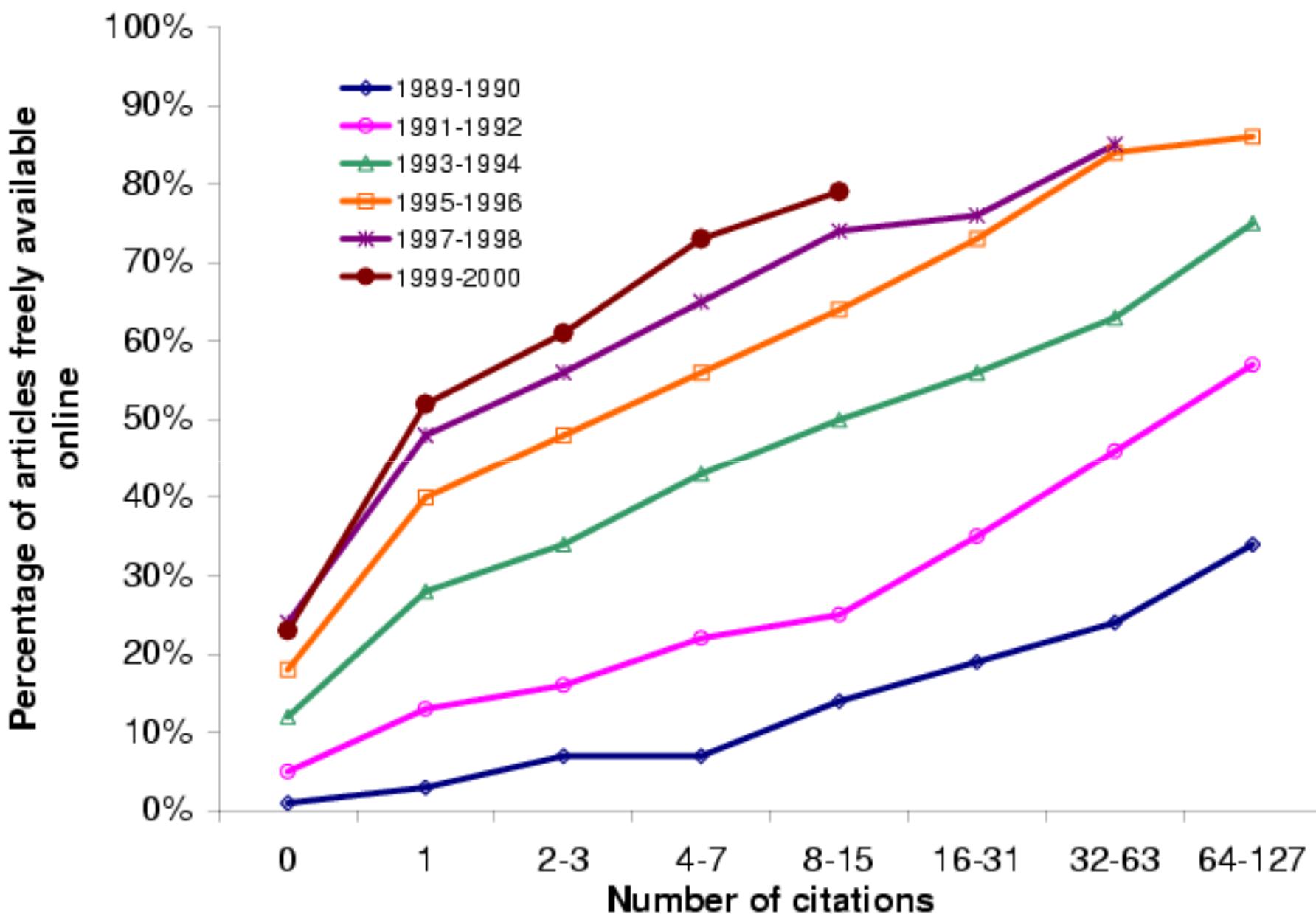


Rana istraživanja

- Ingwersen, P. The calculation of web impact factors. // Journal of Documentation. 2, 54(1998), 236-243.

Rana istraživanja

- Lawrence, S. 2001. Online or invisible?
- Lawrence, S. Free online availability substantially increases a paper's impact. // *Nature*. 6837, 411(2001), 521.
- 100.000 članaka, računalna znanost
- Prosječan broj citata
7 : 2,7



Rana istraživanja

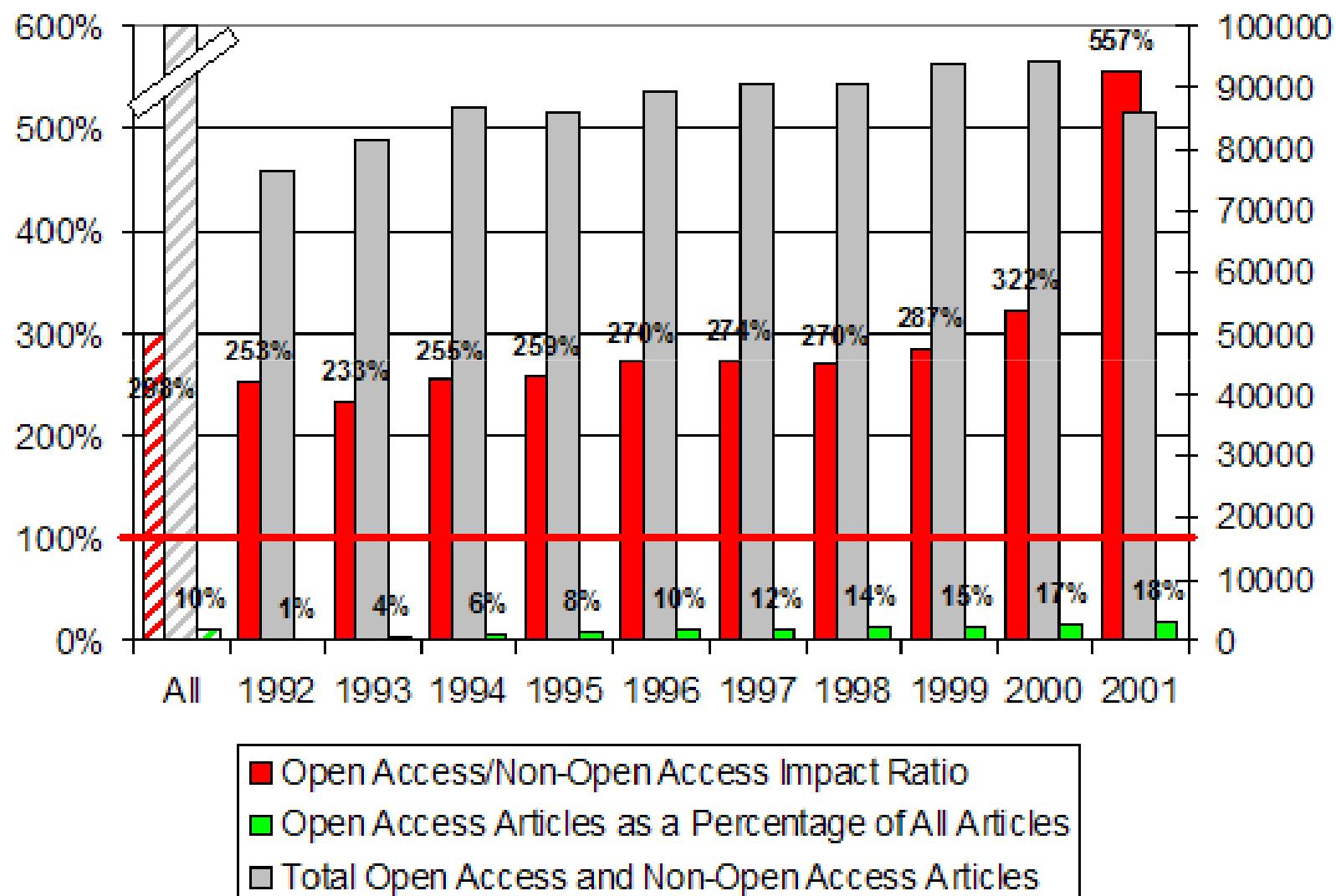
- Razlozi veće citiranosti?
- *Free online availability of scientific literature offers substantial benefits to science and society.*

S. Harnad i T. Brody

- Comparing the Impact of Open Access (OA) vs. Non-OA Articles in the Same Journals. // D-Lib Magazine. 6, 10(2004)
- Najbolji način testiranja citatne prednosti otvorenog pristupa
- Citiranost članaka!

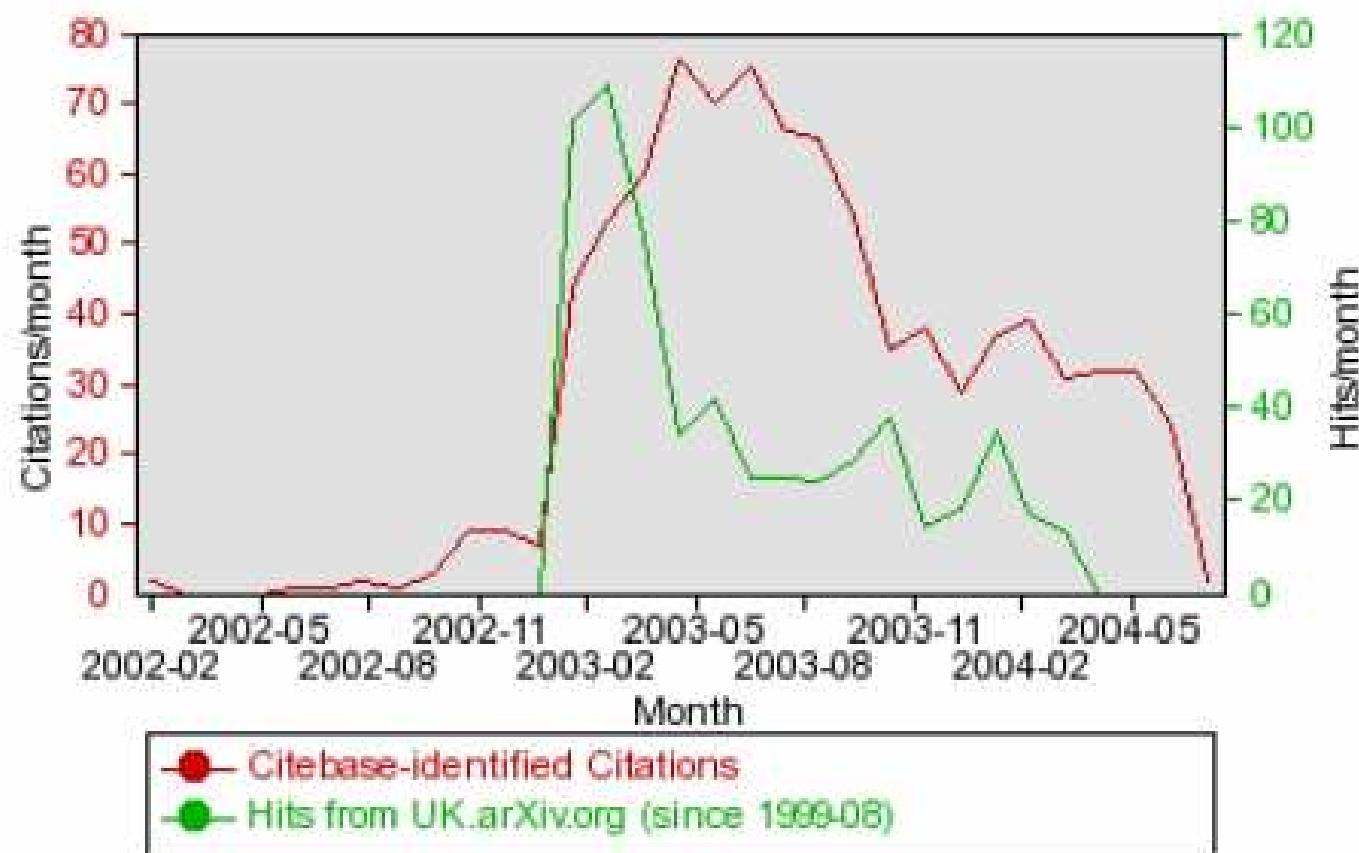


Open Access vs. Non-Open Access Citation Impact Ratios All Physics Fields



T. Brody

- Citation analysis in the Open Access world, 2004.
- 12 godina, fizika i matematika
- Usporedba otvoreno dostupnih članaka i onih koji su objavljeni tradicionalno
- 80-200%



K. Antelman

- 2004.
- Do Open Access articles have a greater research impact?
- Četiri znanstvena područja:
 - filozofija,
 - političke znanosti,
 - elektrotehnika,
 - matematika

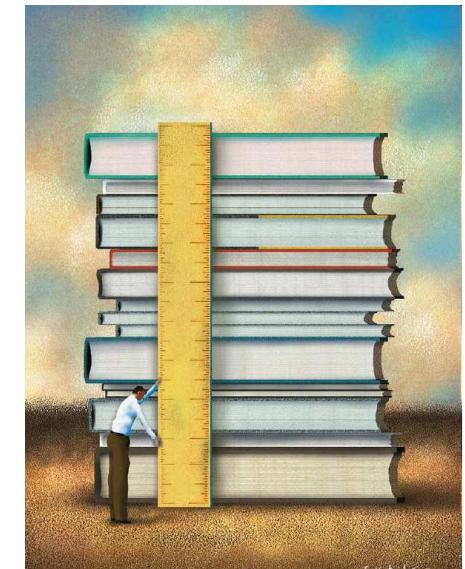


TABLE 3
**Comparison of Mean Citation Rates Between Freely Available Articles and
 Those That Are Not Freely Available**

Discipline	Mean (1)	Mean Standard Error (1)	Mean (0)	Mean Standard Error (0)	Difference in Means	Percent Difference in Means	Wilcoxon Two-tailed p Value	SD (1)	SD (0)
Philosophy	1.60	0.491	1.10	0.230	.500	45%	.0012	2.51	2.62
Political science	2.20	0.477	1.18	0.353	1.016	86%	<.0001	2.27	1.73
Electrical and electronic engineering	2.35	0.449	1.56	0.275	.798	51%	.0006	3.14	2.50
Mathematics	1.60	0.270	0.84	0.230	.762	91%	<.0001	2.84	1.60

G. Eysenbach

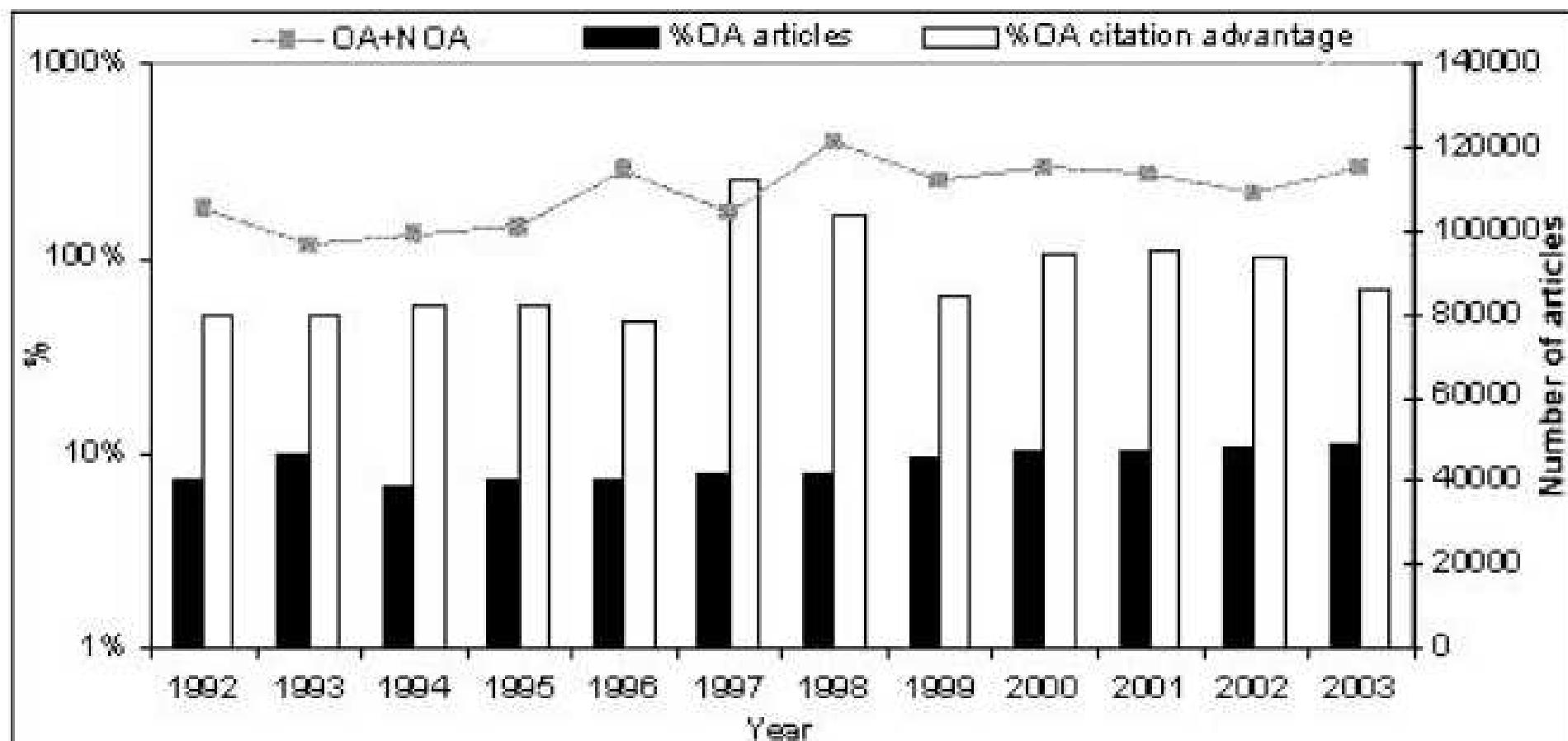
- Citation advantage of Open Access articles. // PLOS biology. 5, 4(2006)
- Dvije kategorije članaka
- Tri razdoblja



Characteristic	Variable	Non-OA (<i>n</i> = 1,280)	OA (<i>n</i> = 212)
Uncited articles	December 2004 (%)	1,056 (82.5)	170 (80.2)
	April 2005 (%)	627 (49.0)	78 (36.8)
	October 2005 (%)	172 (13.6)	11 (5.2)
Number of citations, mean [median] (SD)	December 2004	0.7 [0] (2.0)	0.9 [0] (2.8)
	April 2005	1.2 [1] (2.0)	1.5 [1] (2.5)
	October 2005	4.5 [3] (4.9)	6.4 [4] (10.4)

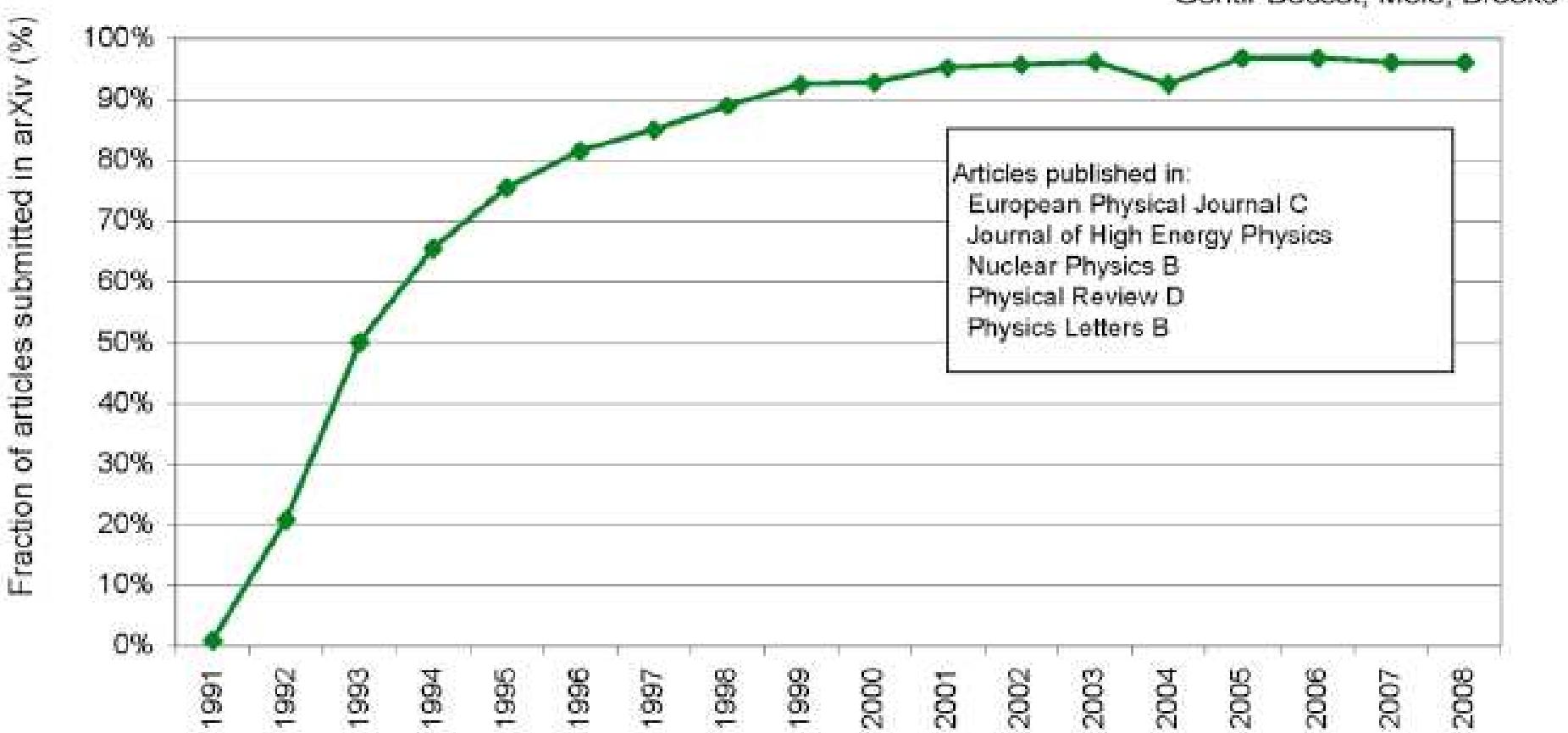
C. Hajjen, S. Harnad i Y. Gingras

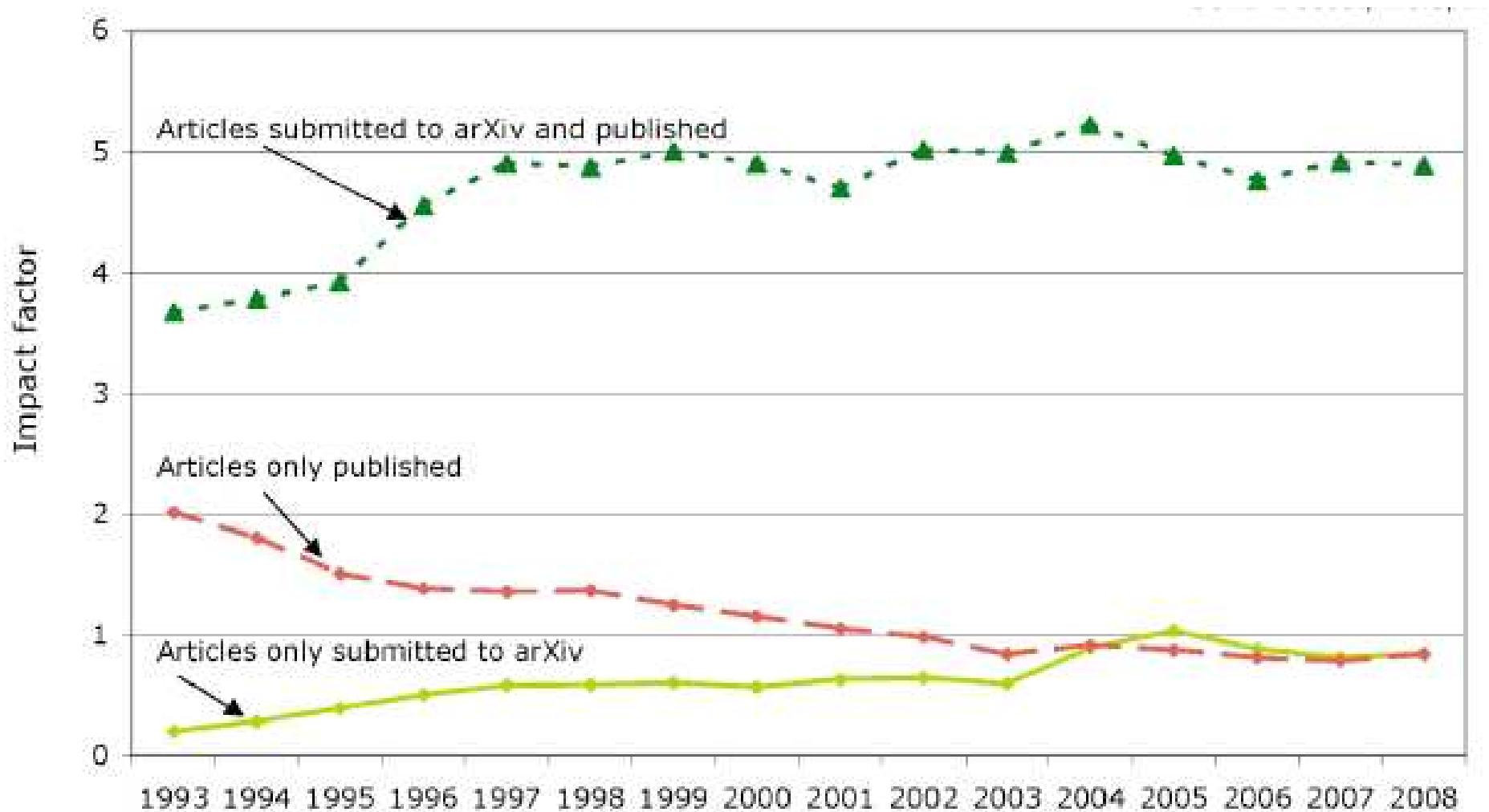
- Ten-year cross-disciplinary comparison of the growth of Open Access and how it increases research citation impact. // IEEE Data Engineering Bulletin. 28, 4(2005)
- 12 godina (1992.-2003.)
- 10 znanstvenih područja
- 36-172%

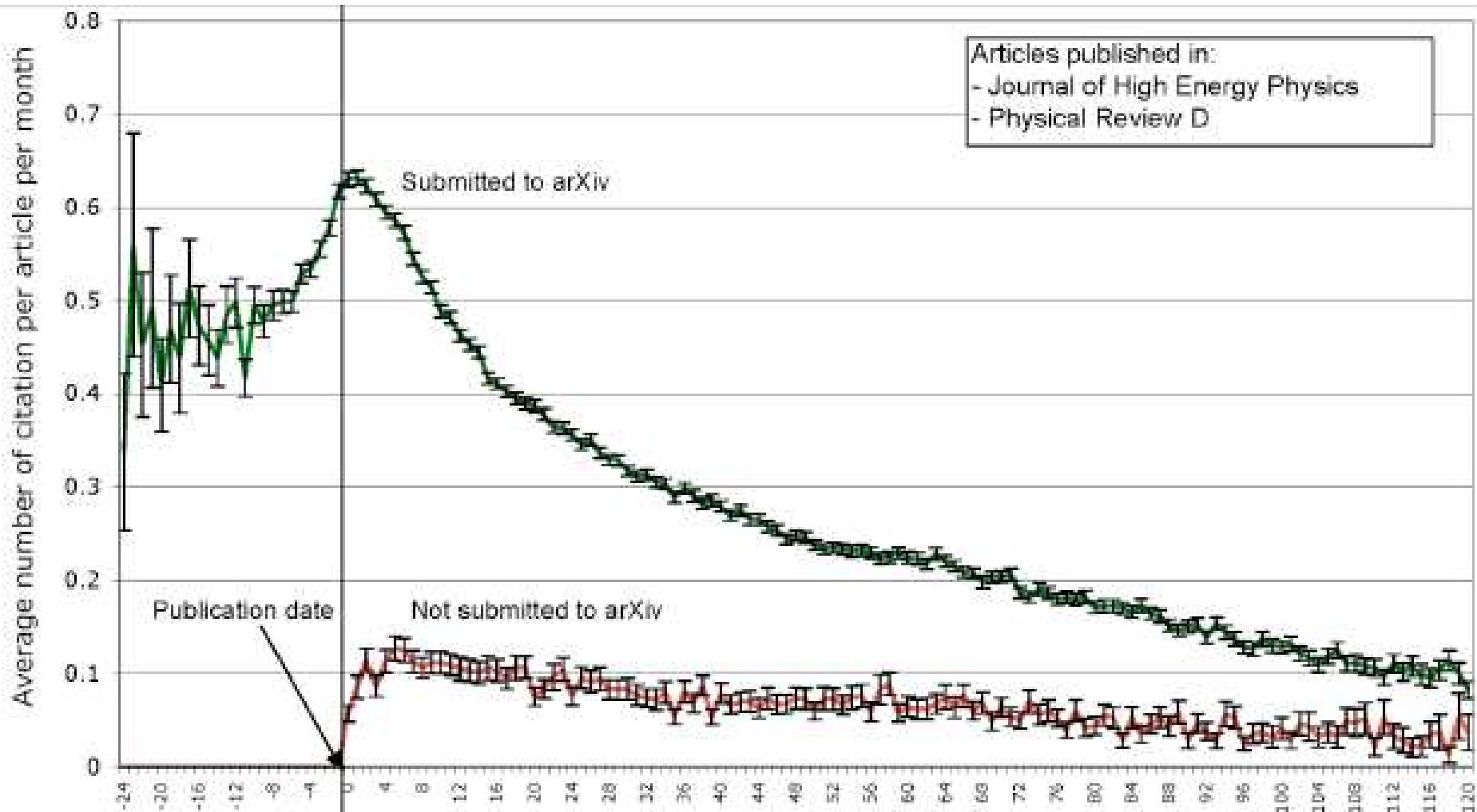


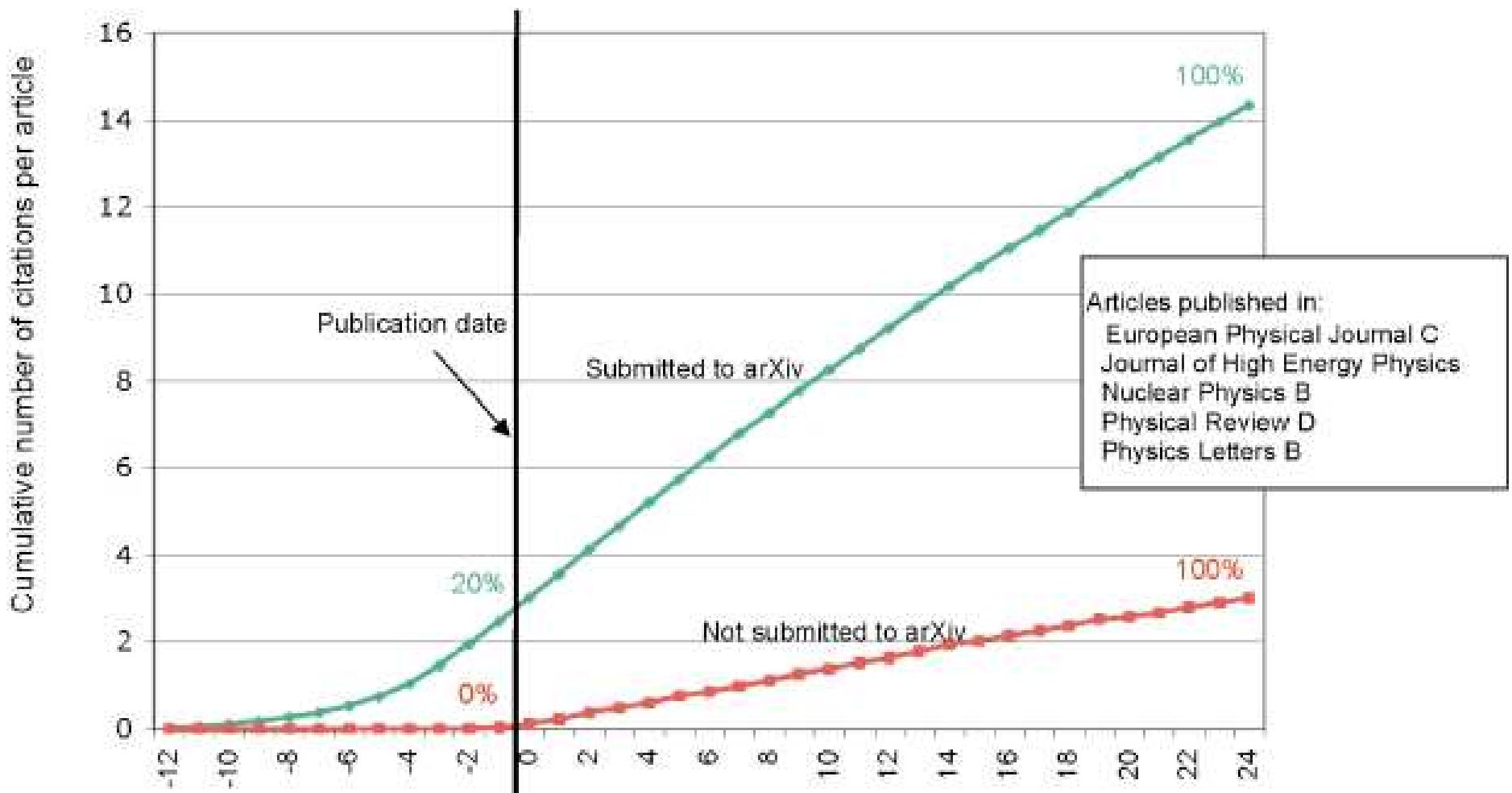
A. Gentil-Beccot, S. Mele i T. C. Brooks

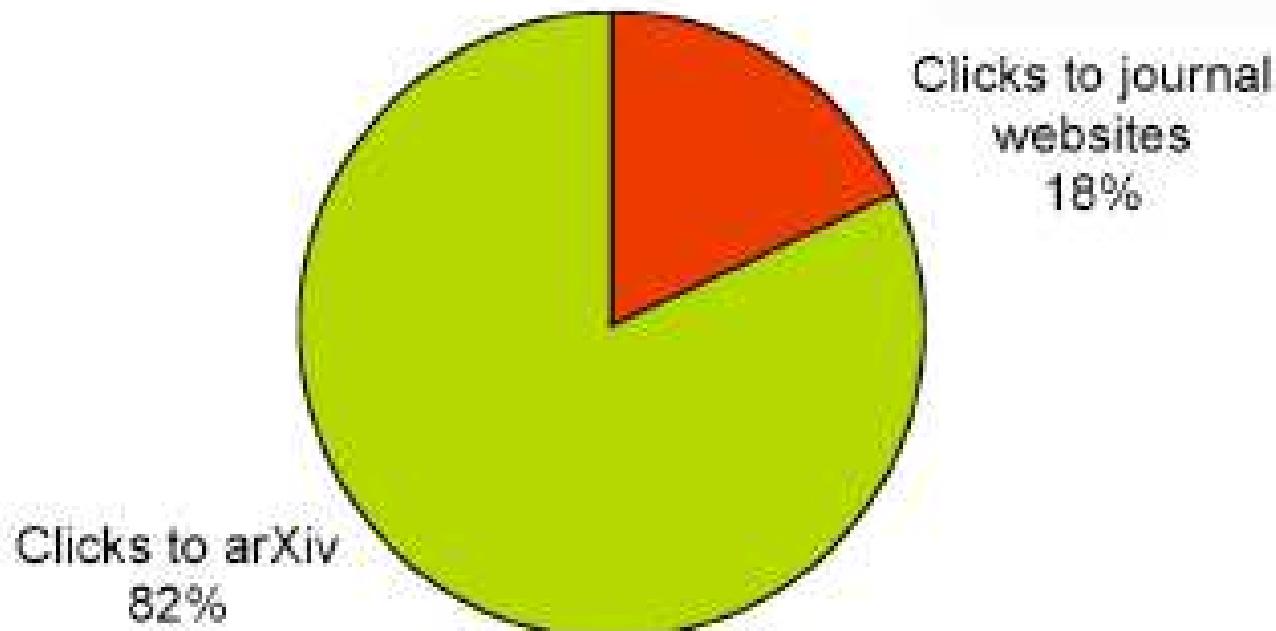
- Citing and reading behaviours in high-energy physics : how a community stopped worrying about journals and learned to love repositories, 2009.
- Koristi li znanstvenicima objavljivanje preprinta u otvoreno dostupnim repozitorijima?











Clicks from SPIRES to DOI links and arXiv in October 2008

M. Kurtz i ostali

- The effect of use and access on citations,
2004.
- Tri postulata:
 - Otvoreni pristup
 - Raniji pristup
 - Pristranost pri odabiru



S. Harnad i C. Hajjem

- 2007.
- Razlozi citatne prednosti otvoreno dostupnih članaka

$$\text{OAA} = \text{EA} + \text{QA} + \text{UA} + (\text{CA}) + (\text{QB})$$

P. M. Davis i M. J. Fromerth

- Does the arXiv lead to higher citations and reduced publisher downloads for mathematics articles?, 2007.
- 2765 članaka iz 4 matematička časopisa
- 1997.-2005.

Year	Articles Published	Number of articles in arXiv	Mean difference in number of article citations (arXiv - non)
1997	301	23 (7.6%)	2.1 (37%) *
1998	282	26 (9.2%)	1.6 (31%) *
1999	341	43 (12.6%)	1.3 (28%)
2000	345	41 (11.9%)	1.4 (34%) *
2001	315	51 (16.2%)	0.8 (21%) *
2002	299	63 (21.1%)	1.2 (40%) *
2003	324	73 (22.5%)	1.2 (47%) ***
2004	324	105 (32.4%)	0.6 (43%) *
2005	234‡	86 (36.8%)	0.1 (35%)
Total	2765	511 (18.5%)	mean dif.=1.1 (35%)

Pregledni radovi

- A. B. Wagner, 2010., [bibliografija](#):
 - Pregledni – 5 članaka
 - Dokazuju citatnu prednost – 39 članaka
 - Ne dokazuju citatnu prednost – 7 članaka
- A. Swan, 2010., [The Open Access citation advantage: Studies and results to date](#)
 - 27:4

Hrvatska

- Hrčak
- Repozitoriji
- Hrvatska deklaracija o otvorenom pristupu





