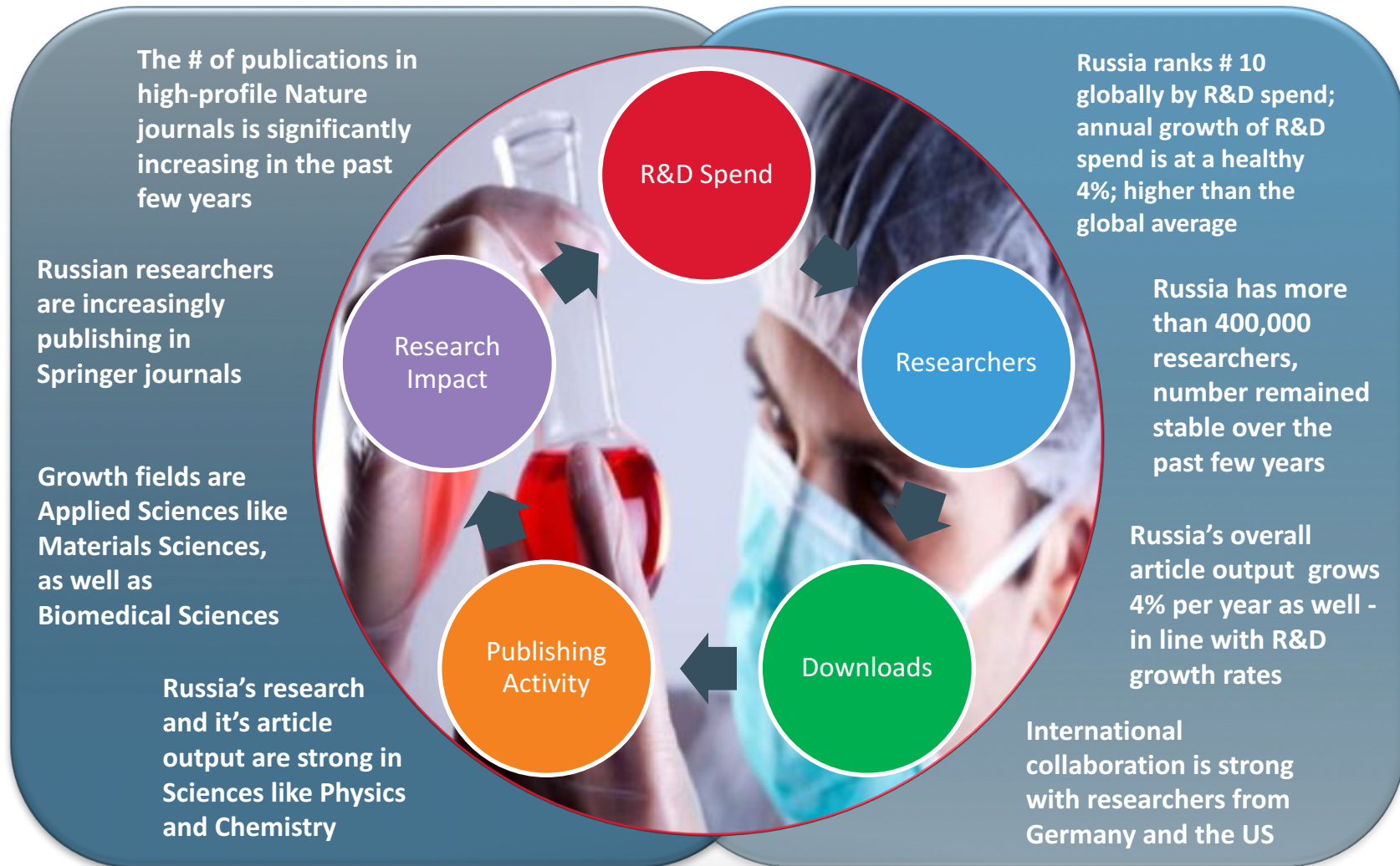


Country Report  
**Russia**

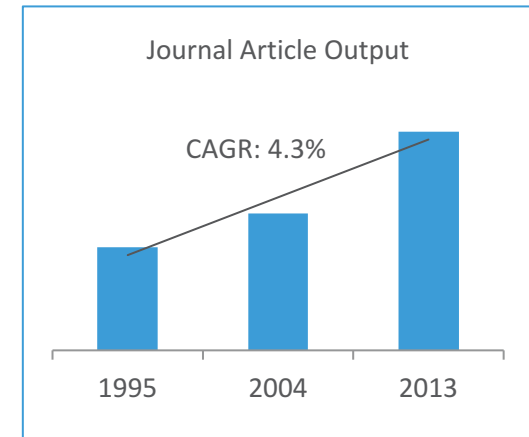
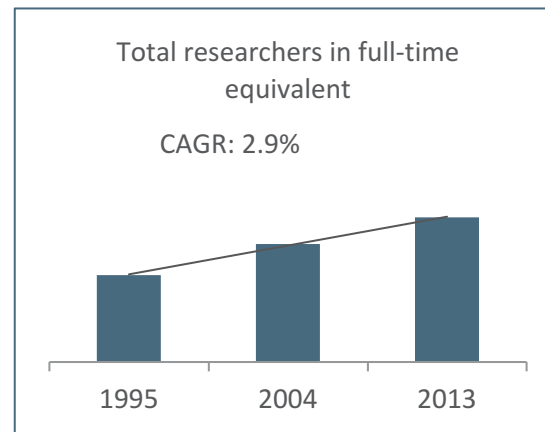
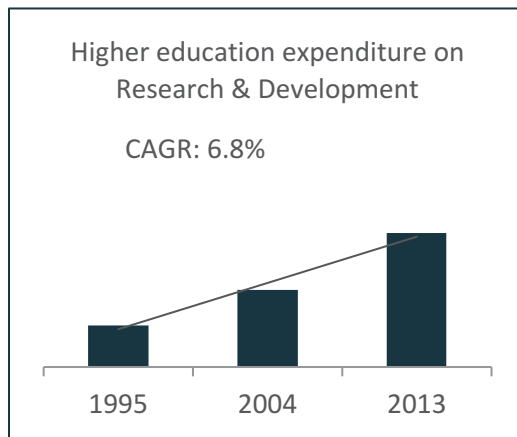
ARBICON, June 2017

**SPRINGER NATURE**

# Summary

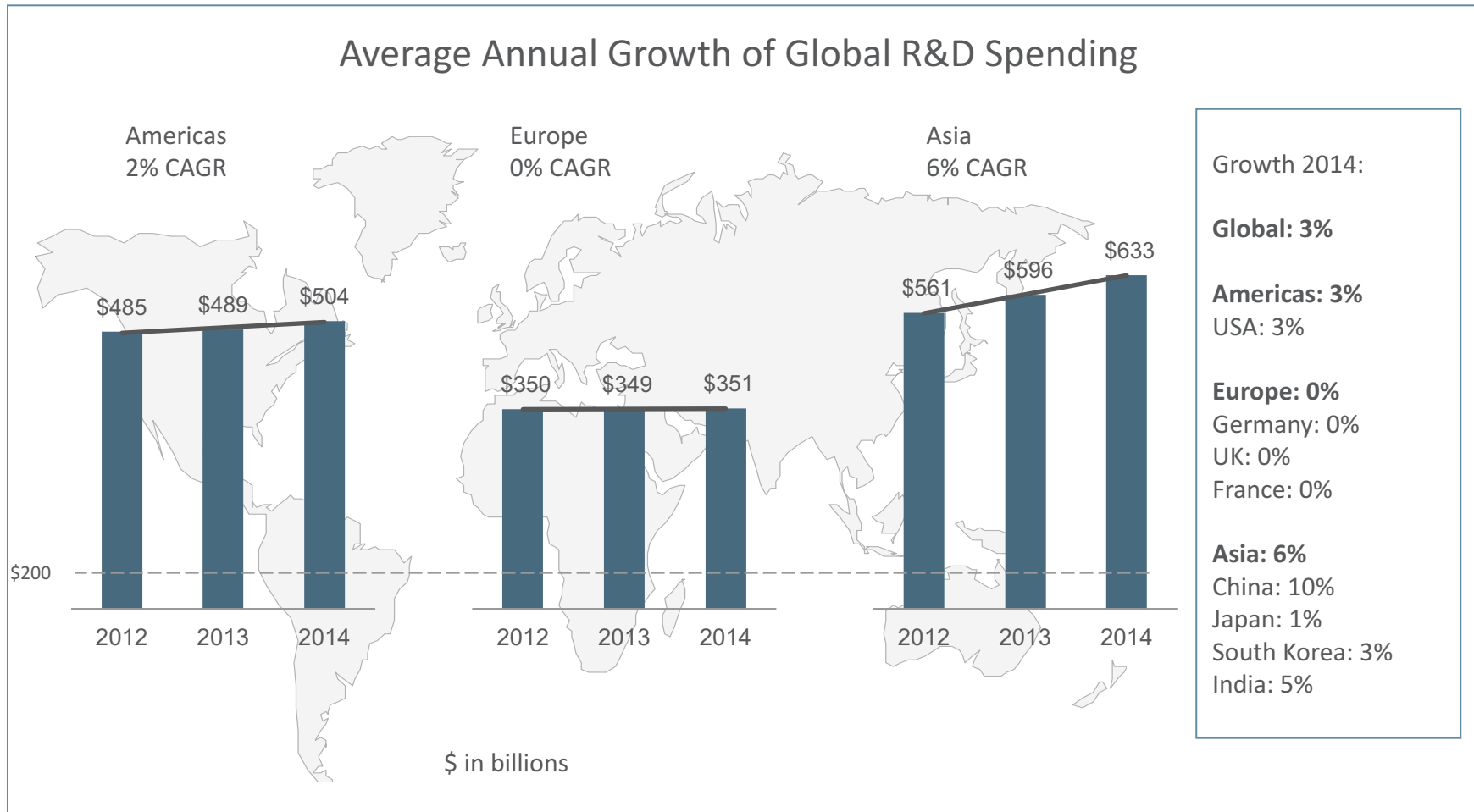


# Global R&D Indicators: Increase in R&D expenditures is a main driver of research output



Source: OECD Main Science and Technology Indicators; Thomson Reuters Journal Citations Reports Science Edition

# R&D spend increases at 3% globally; developed countries stagnate



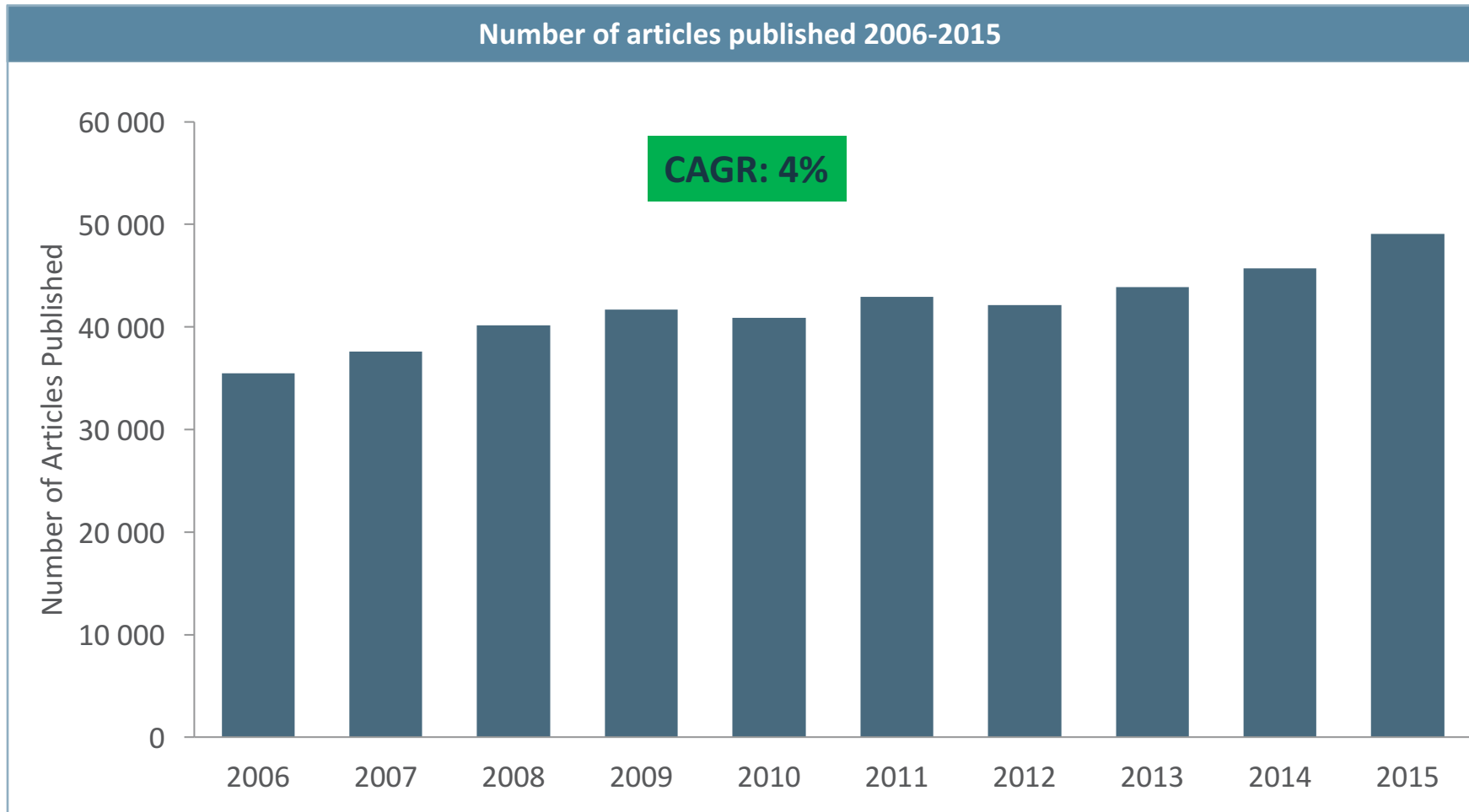
Source: R&D Magazine: Global 2013 R&D Funding Forecast

## Russia's annual growth of R&D spend is healthy; higher than the global average; below that of China and India

Country	# of Researchers 2013	Growth of # of Researchers 2009 to 2013	R&D expenditures (in current PPP\$ millions)	Growth of R&D expenditures 2009 to 2013	R&D expenditures as % of GDP 2013
China	1,484,040	6.5%	336,577,729	16.3%	2.08%
<b>Russian Federation</b>	<b>440,581</b>	<b>-0.1%</b>	<b>40,694,501</b>	<b>4.1%</b>	<b>1.12%</b>
India	192,819	5.6%	48,062,976	5.1%	*0.82%
Brazil	138,653	1.8%	35,780,779	5.9%	1.24%
South Africa	21,383	2.0%	4,824,364	0.03%	0.73%

Source UNESCO Science Report, \*data for 2011

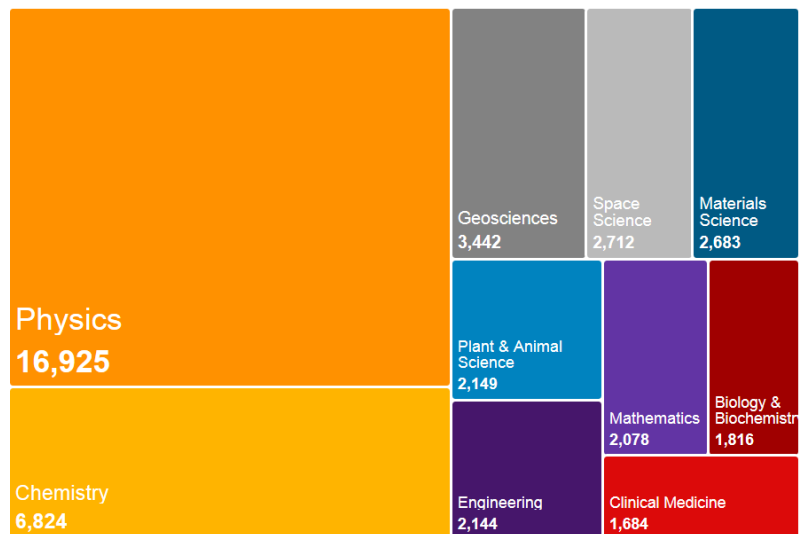
## Russia's overall article output sees healthy growth at 4% per year



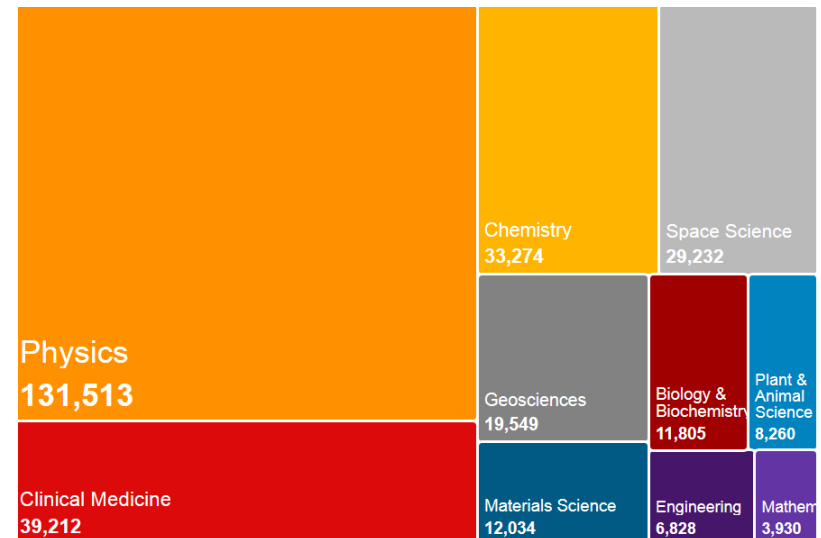
Source: ThomsonReuters Incites

# Russia's research is strong in the Sciences, especially Physics and Chemistry

## # Articles Published



## # Citations of these Articles



Source: ThomsonReuters InCites; 2011-2015

## Russian research output grows strongest in Applied Sciences like Materials Science and Engineering, as well as Biomedical Sciences

Rank	Research area	Articles 2011	Articles 2016	Average Annual Growth (CAGR)
1	Materials Science	1,721	2,476	9.5%
2	Plant & Animal Science	832	1,108	7.4%
3	Biology & Biochemistry	928	1,150	5.5%
4	Engineering	1,742	2,090	4.7%
5	Space Science	969	1,094	3.1%
6	Clinical Medicine	1,177	1,306	2.6%
7	Physics	7,812	8,423	1.9%
8	Geosciences	2,067	2,200	1.6%
9	Mathematics	1,660	1,766	1.6%
10	Chemistry	6,089	6,231	0.6%
	All Fields	<b>42,926</b>	<b>49,114</b>	<b>3.4%</b>

Source: ThomsonReuters Incites



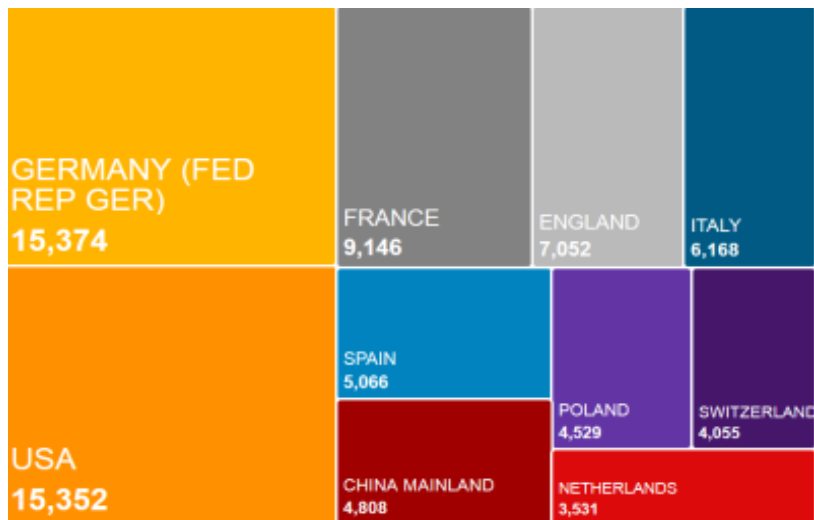
## Russia is among the top 20 countries globally by number of articles 2016; annual growth rate compares to developed countries

Global Rank	Country	Articles 2006	Articles 2016	Average Annual Growth (CAGR)
2	China	130,731	453,881	14.8%
11	India	44,798	93,342	8.5%
14	Brazil	31,751	61,089	7.5%
<b>16</b>	<b>Russian Federation</b>	<b>35,452</b>	<b>49,114</b>	<b>3.7%</b>
36	South Africa	8,520	18,155	8.8%

Source: ThomsonReuters Incites

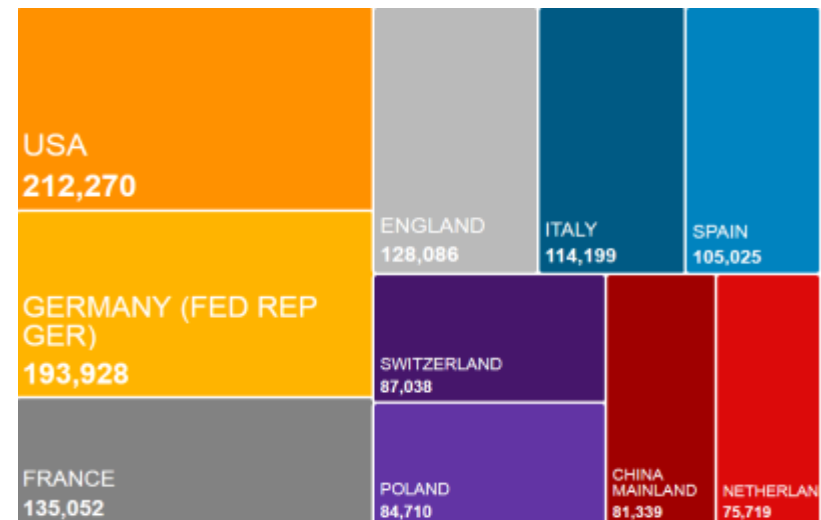
## Collaboration of Russian researchers is strongest with researchers from Germany and the United States, followed by France

# Articles Published in international cooperation\*



\*Articles published by authors from Russia with authors from other countries

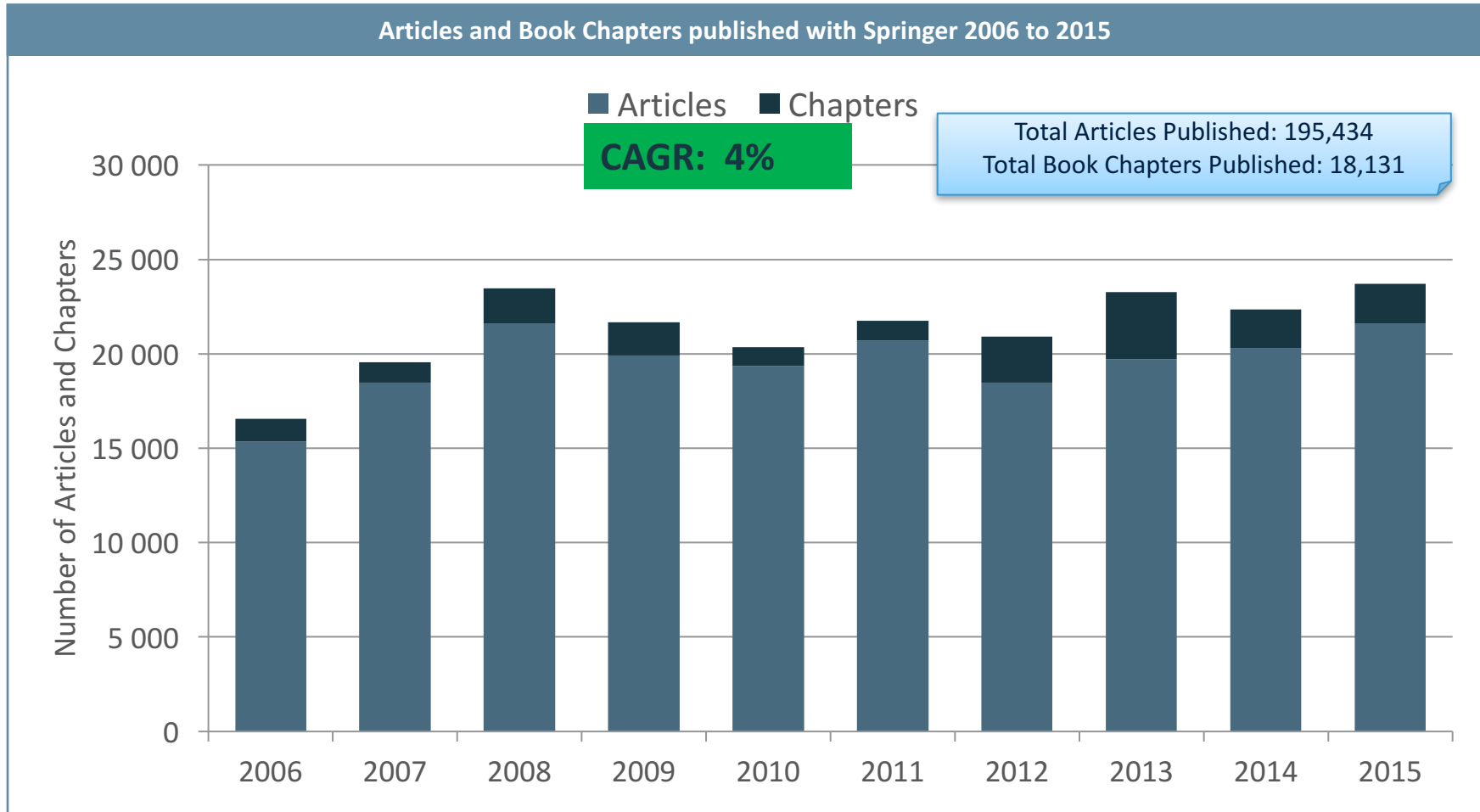
# Citations of these articles\*



\*Citations of articles published by authors from Russia with authors from other countries

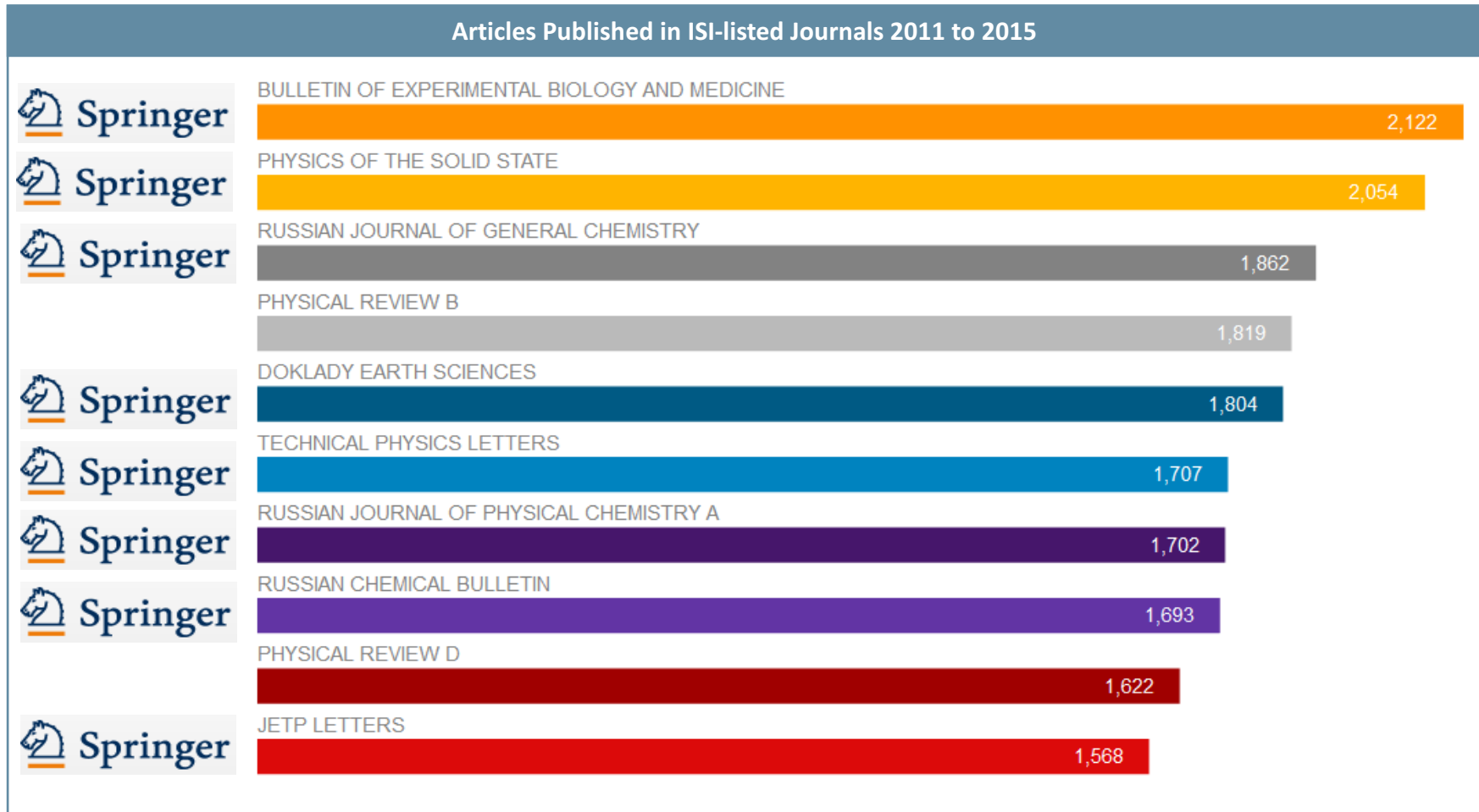
Source: ThomsonReuters InCites; 2011-2015

# Annual Growth of articles published in Springer publications is in line with overall growth of articles published by researchers from Russia



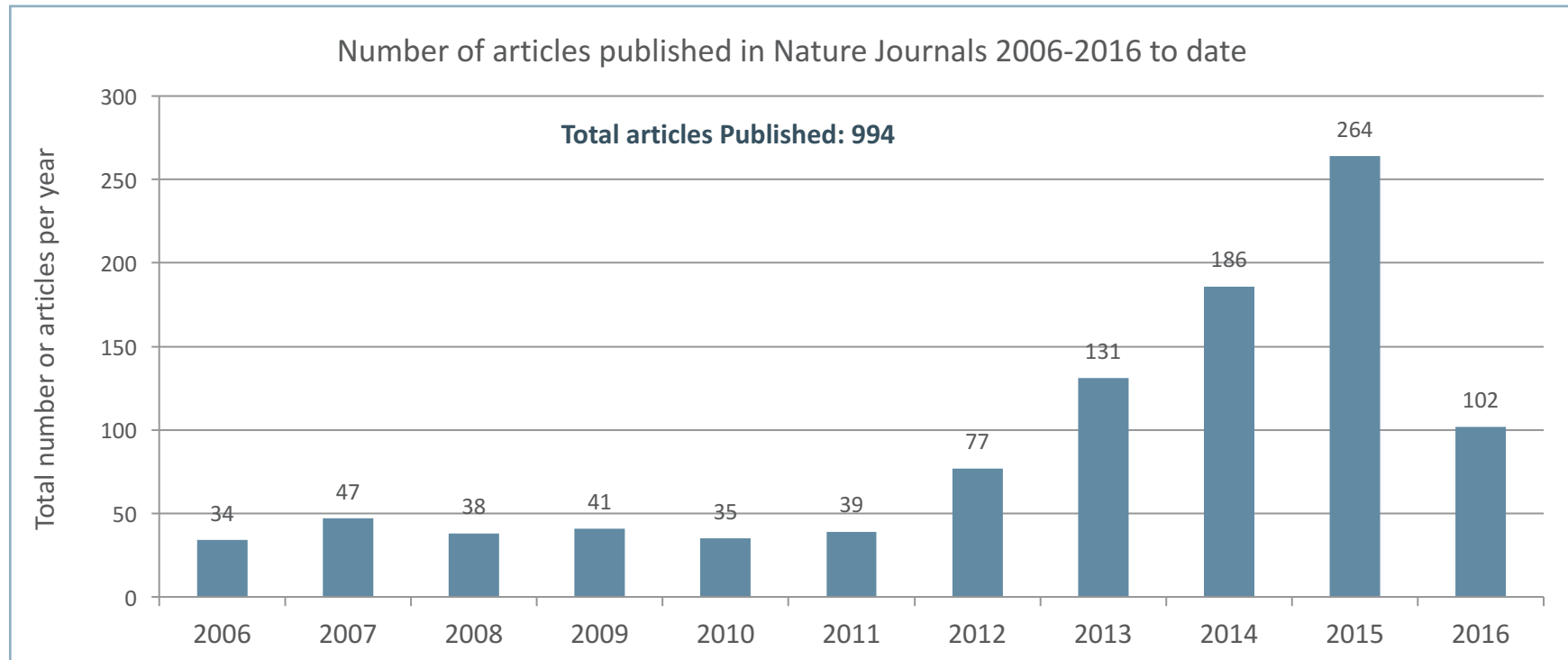
Source: Authormapper

## 8 out of the top 10 ISI-listed journals where Russian researchers publish in are Springer journals



Source: ThomsonReuters InCites; 2011-2015

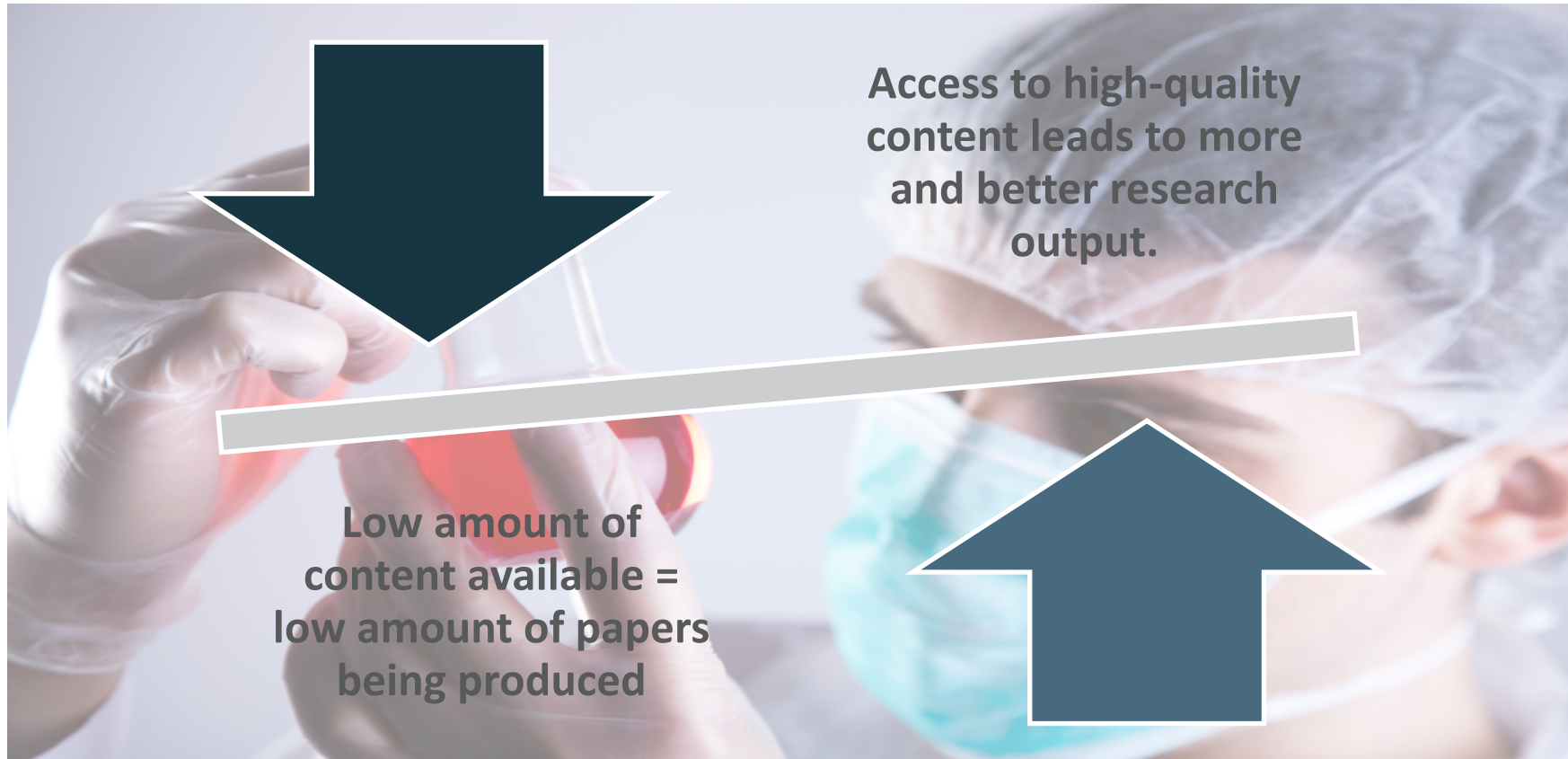
## Nature Journals: We see strong growth in numbers of articles published by Russian researchers in high-profile Nature journals in the past few years



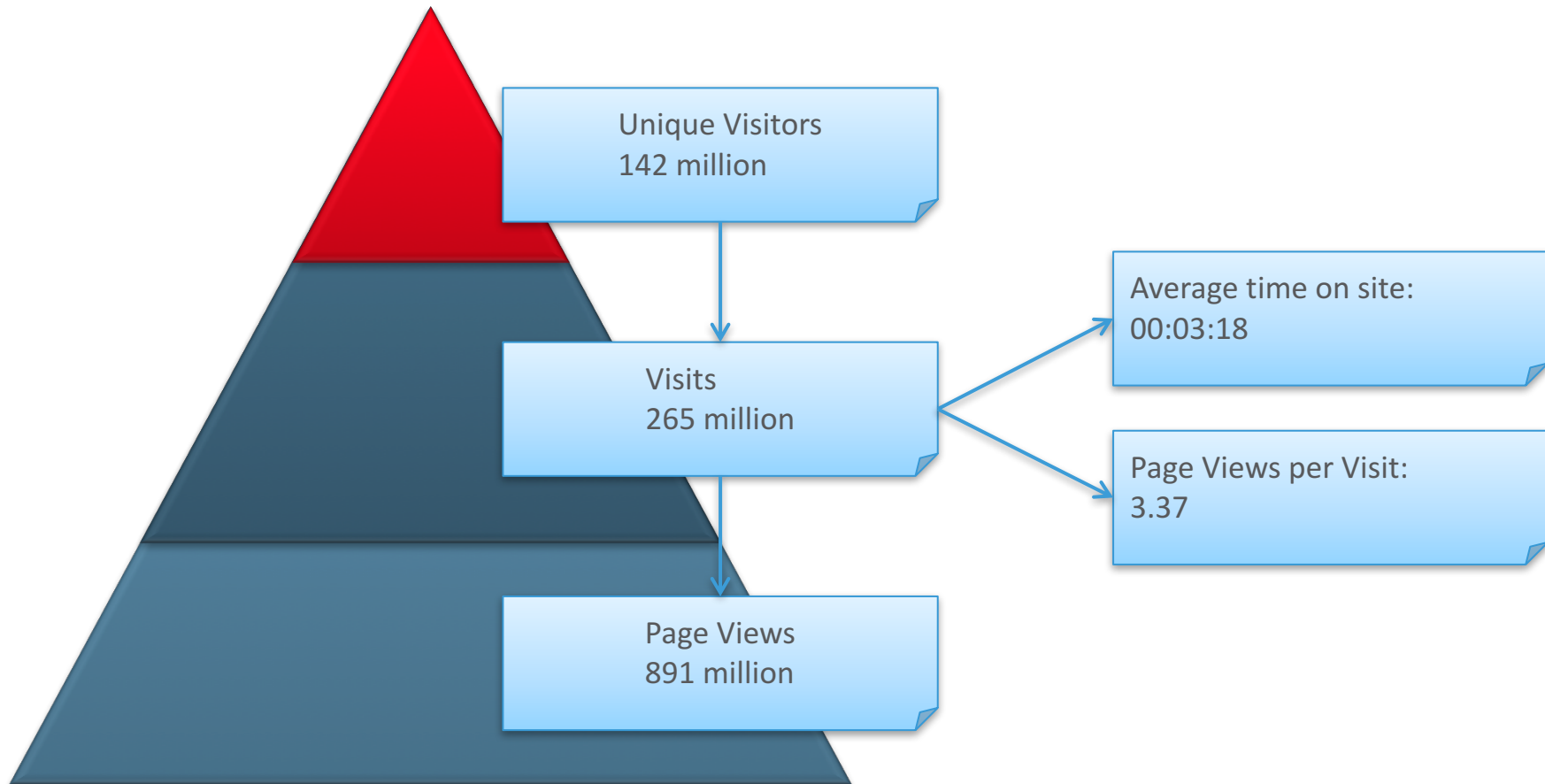
- All Nature journals have exceptionally high rejection rates
- The Nature journal alone receives around 12,000 papers a year, out of which about 60% are rejected without review
- Around 40% of papers submitted to Nature are sent out for peer-review
- At the end of the process, only 8-9% of submitted papers are published

Source: Scopus; Includes Nature-branded journals, Academic Journals, and Palgrave Macmillan Journals

There is a **direct relationship** between the **number of articles downloaded** by a researcher or institution and the **number of articles published!**

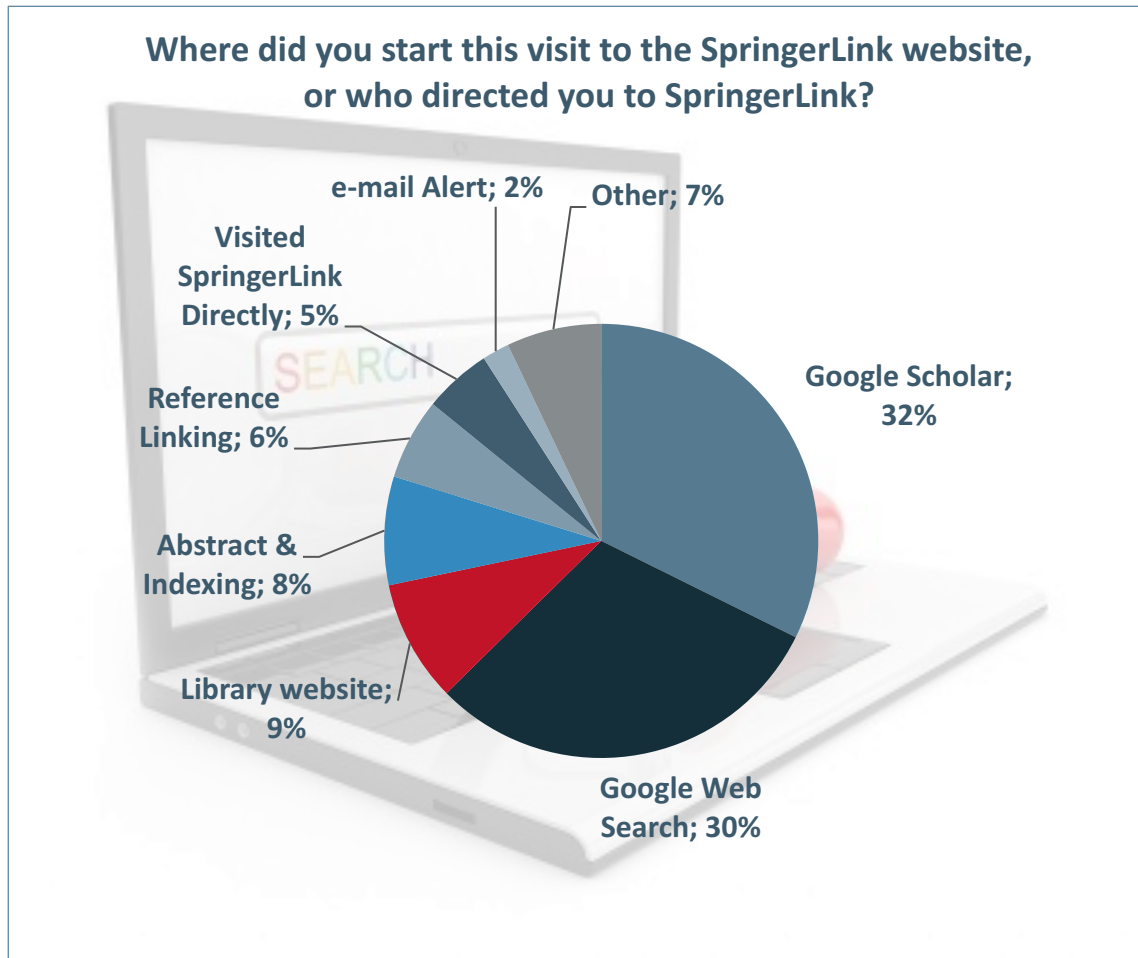


## High Visibility of SpringerLink content: The platform saw 142 million visitors in 2015; **It is among the 2,500 most popular global websites**



Source: WebTrek; unique visitors are recognized by cookies and might be over-reported in cases where users clear their cookies or browse the web in 'incognito' modes or in cases where users use multiple devices

# SpringerLink User Survey: Google Scholar and Google Web Search are heavily used referrers to find Content on SpringerLink

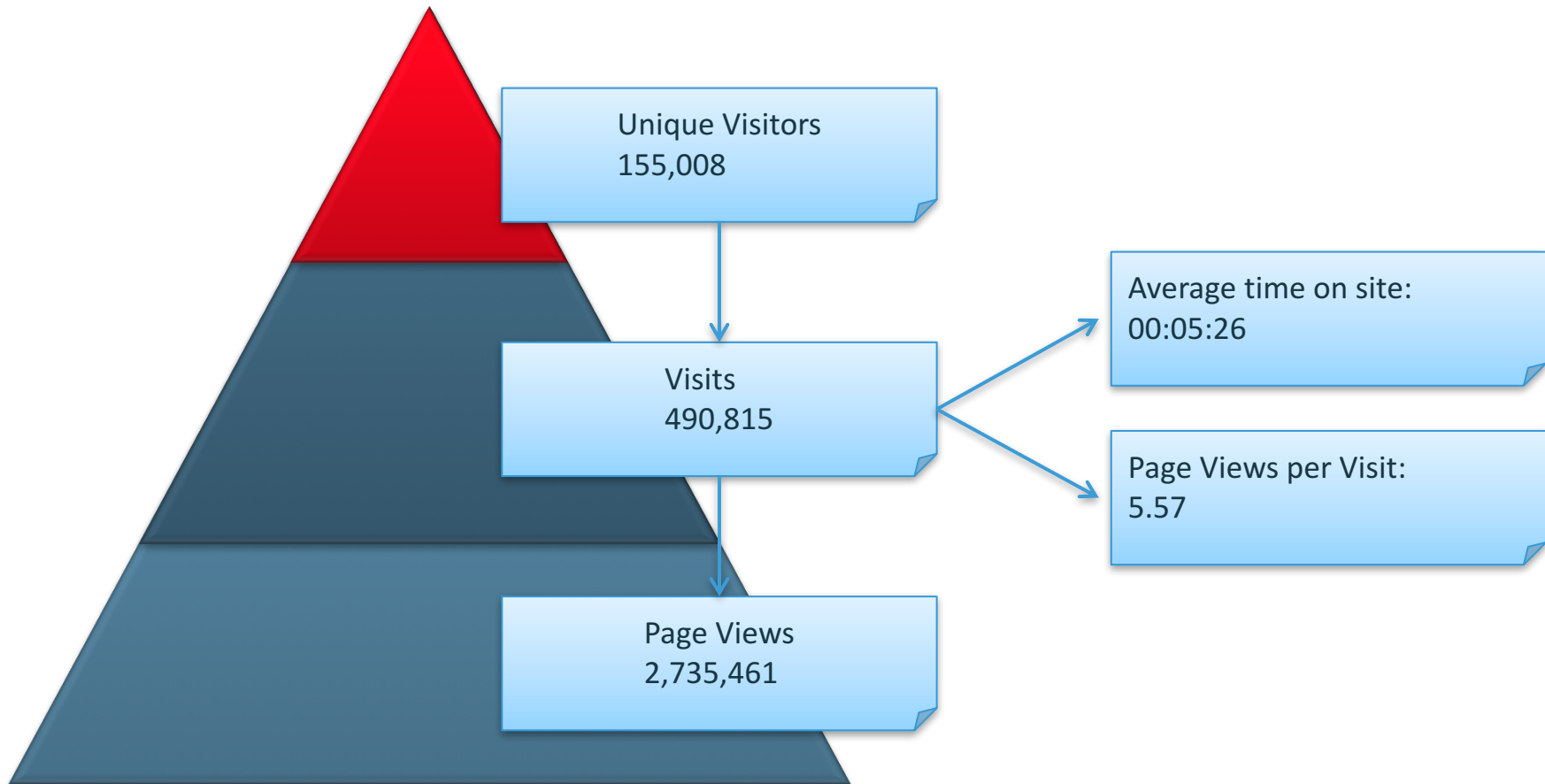


Source: SpringerLink User Survey; N=2,554

➤ More than 60% of users started their search on Google web search or Google Scholar

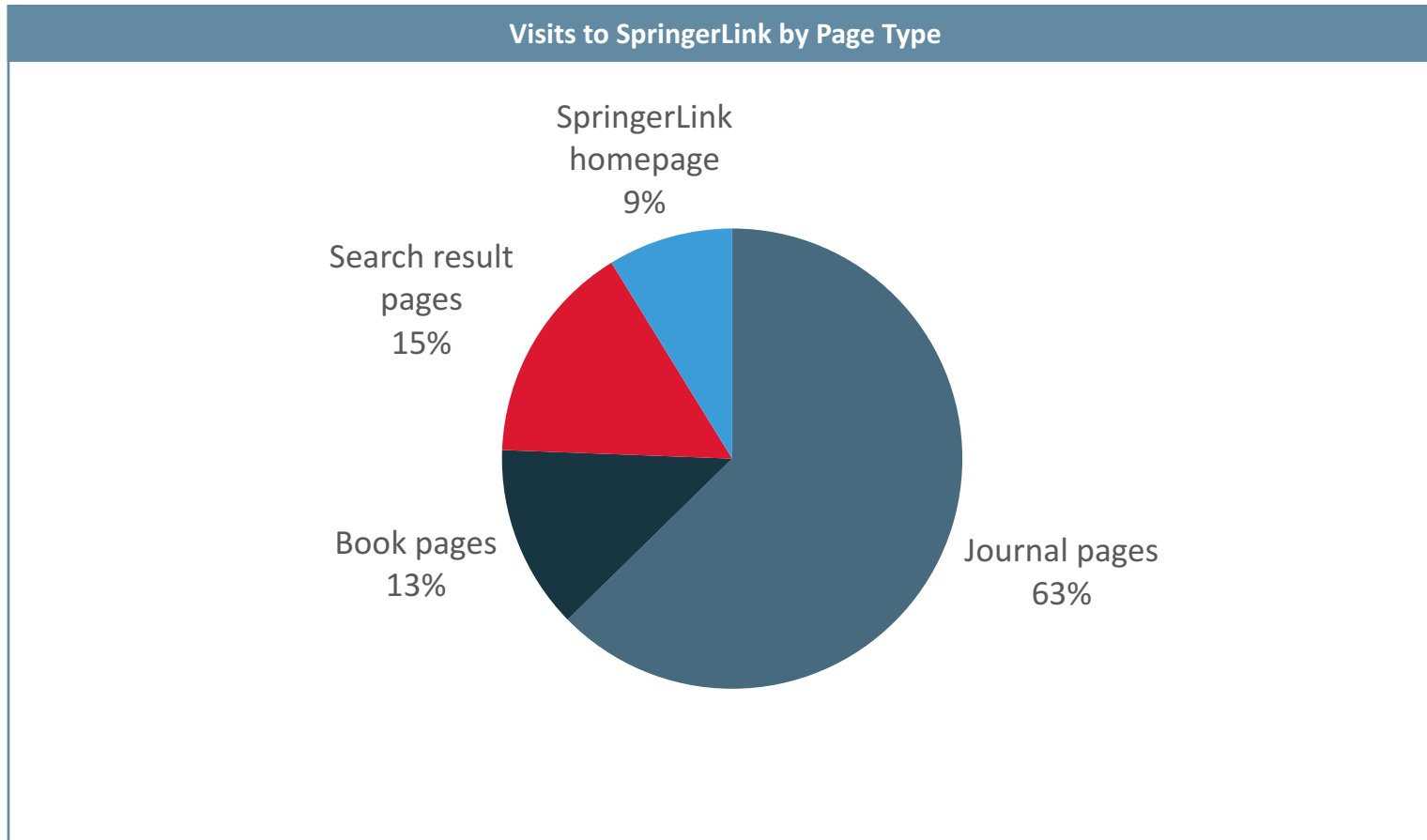


# Russia RFBR: Visitors to SpringerLink and their behavior on the website Jan – Dec 2016



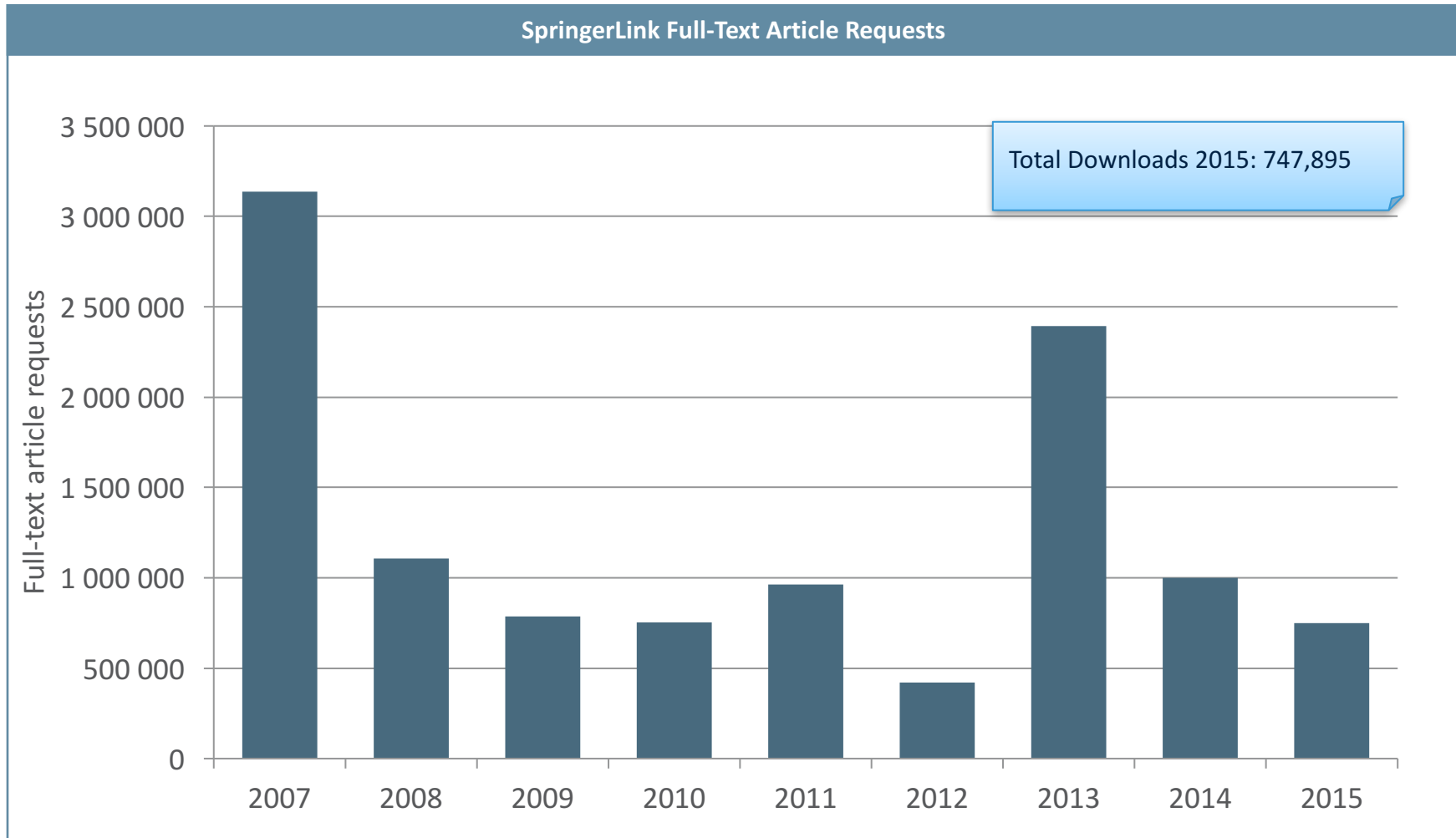
Source: WebTrek; unique visitors are recognized by cookies and might be over-reported in cases where users clear their cookies or browse the web in 'incognito' modes or in cases where users use multiple devices

## Russia RFBR: Pages visited on the website Jan – Dec 2016



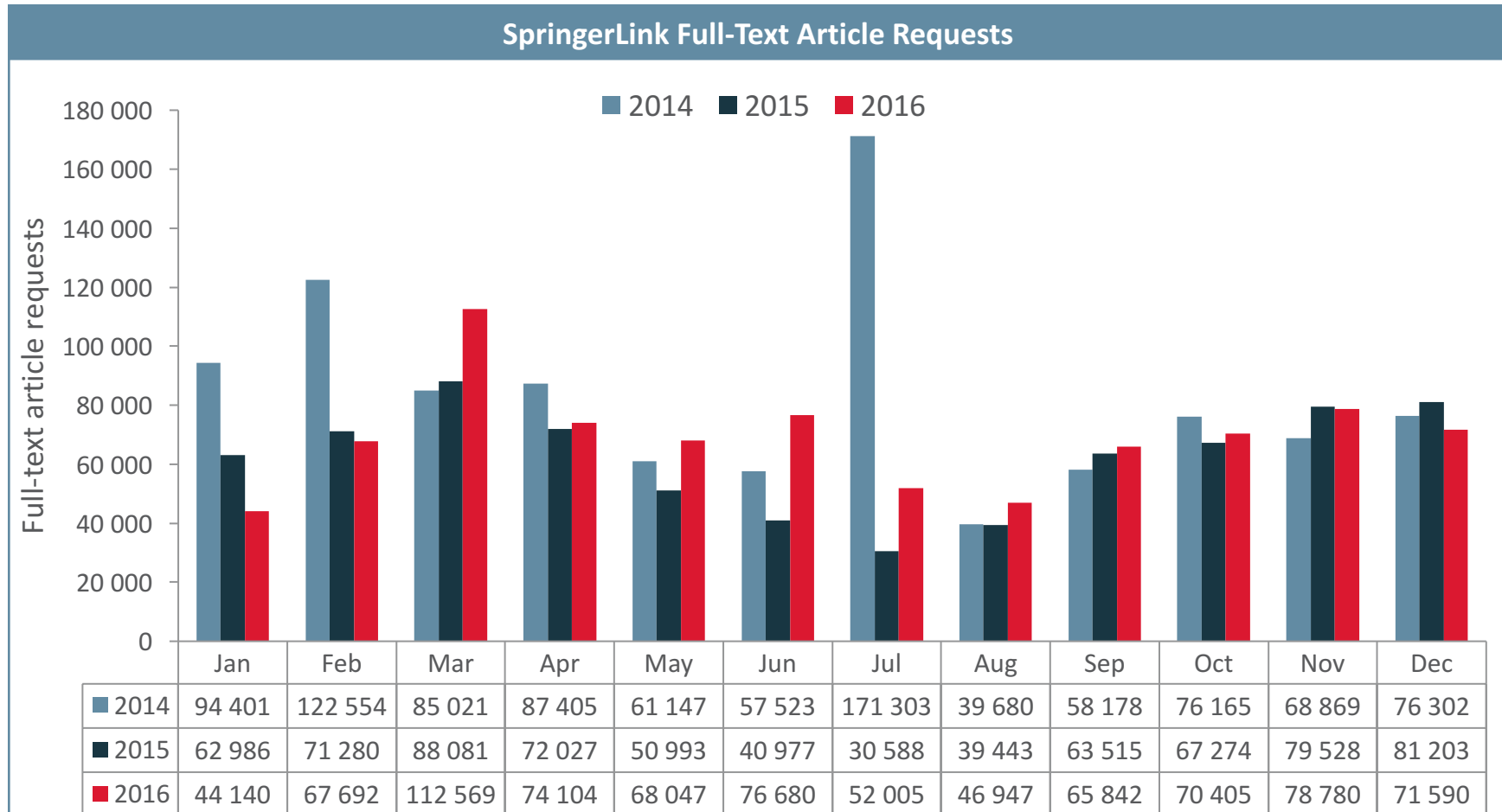
Source: WebTrek; journal pages include journal home, volume & issue, issue, online first and article abstract pages; book pages include book and book series home and chapter abstract pages

## Russia RFBR : Article downloads by year Jan 2007 – Dec 2015



Source: COUNTER Reporting / BW

# Article downloads Jan 2014 – Dec 2016

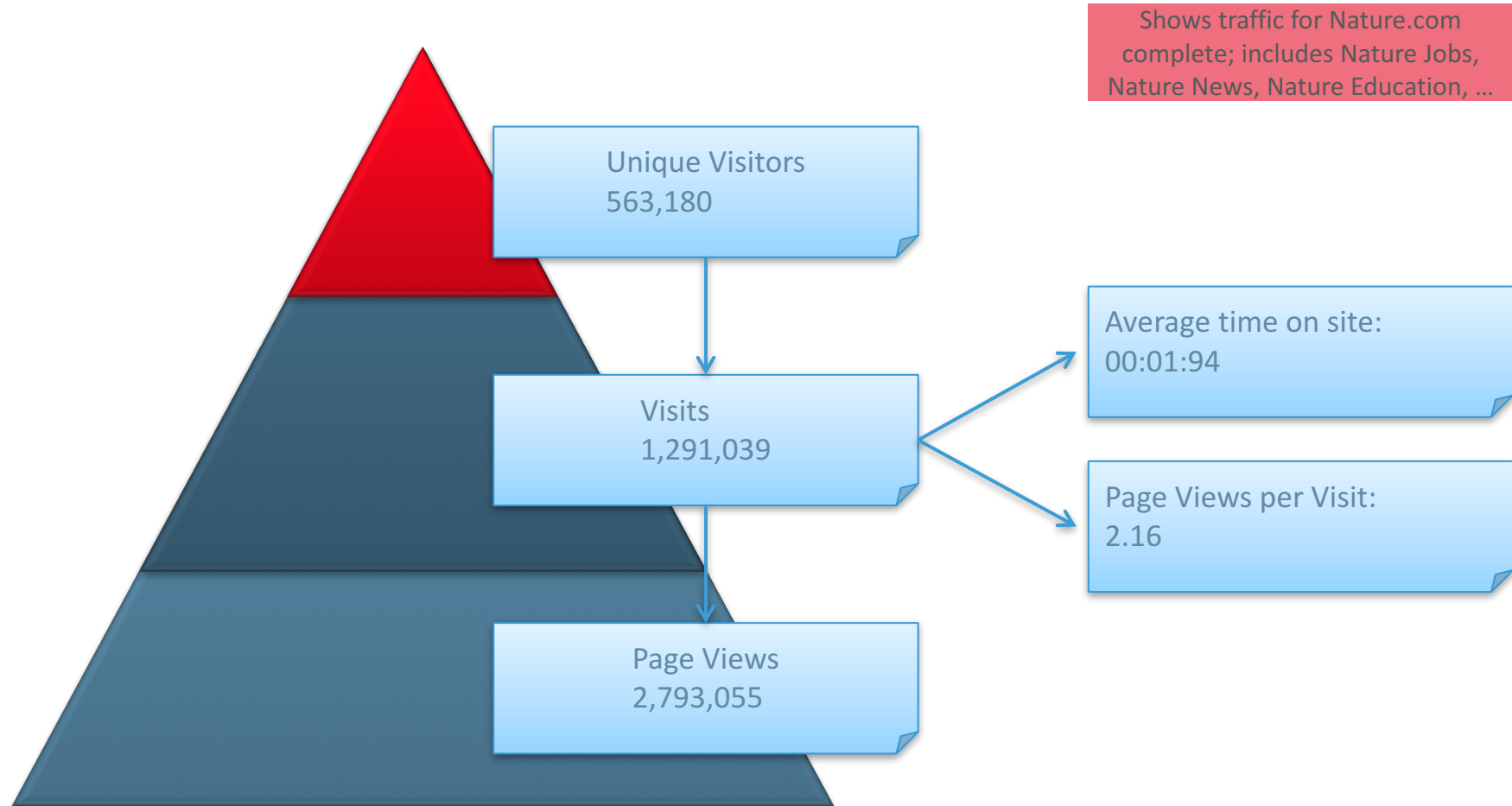


Source: COUNTER Reporting / BW. Palgrave Macmillan journal usage included from July 2016 onwards.

## Article downloads by subject collection Jan – Dec 2016

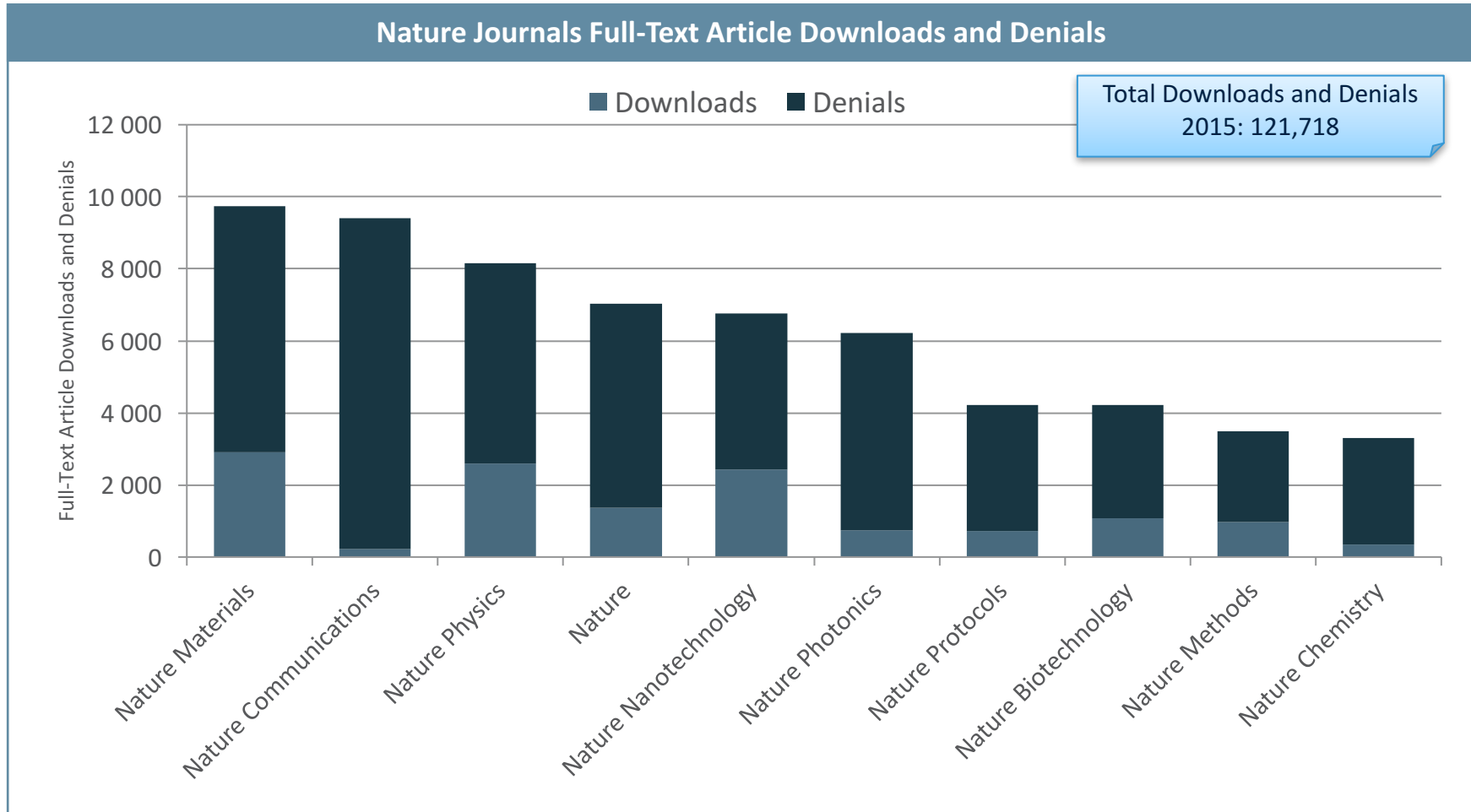
Subject Collection	Contemporary	SJA
Behavioral Science and Psychology	5,572	1,196
Biomedical and Life Sciences	144,458	11,856
Business and Management	9,872	327
Chemistry and Materials Science	202,050	38,617
Computer Science	21,339	649
Earth and Environmental Science	64,203	6,029
Economics and Finance	13,403	918
Education	19,640	3,473
Energy	732	
Engineering	64,813	2,638
History	106	44
Law and Criminology	2,302	360
Literature, Cultural and Media Studies	158	22
Mathematics and Statistics	31,921	5,134
Medicine	39,260	2,806
Physics and Astronomy	109,699	13,935
Political Science and International Stud	1,521	72
Religion and Philosophy	9	
Science (multidisciplinary)	1,367	
Social Sciences	7,220	1,066
<b>Total</b>	<b>739,645</b>	<b>89,142</b>

# Russia: Visitors to Nature.com and their behavior on the website in 2016



Source: Webtrends; nature.com complete, includes nature jobs.

# Russia: Top 10 Nature Journal downloads and denials 2015 – There is significant demand for Nature Content



Source: MPSInsight / Magnus; includes Nature Branded Journals , and Academic Journals

# Any questions?

Thank you for your attention!