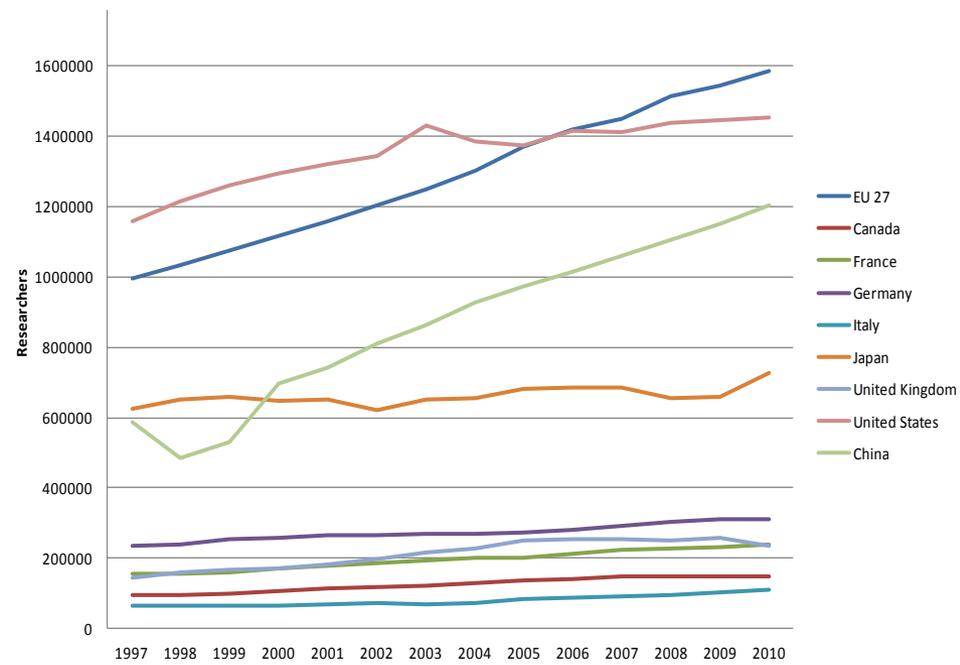
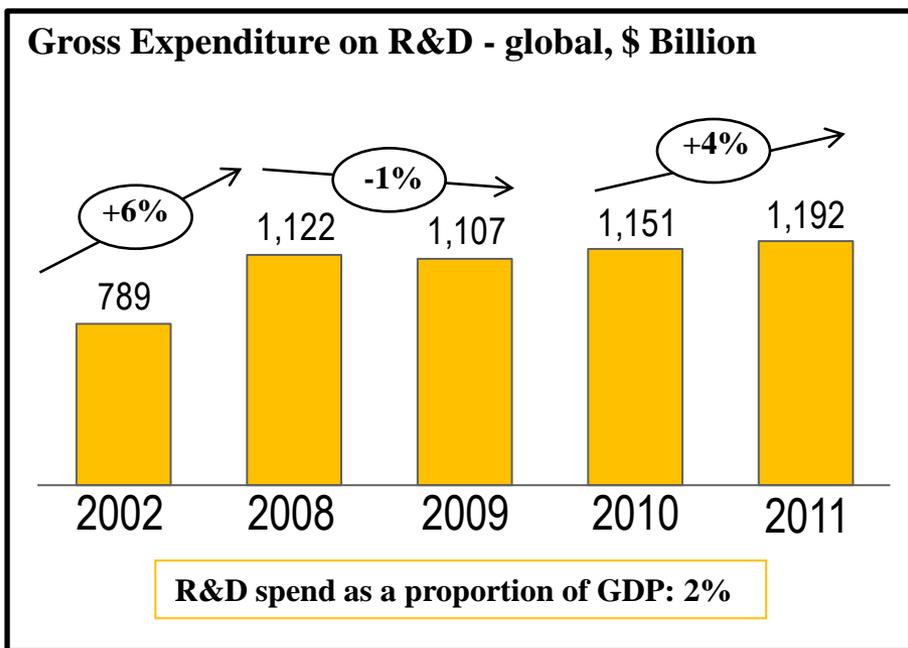


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Галина Якшонок

*Руководитель партнерских программ издательства Elsevier
в России и Беларуси*

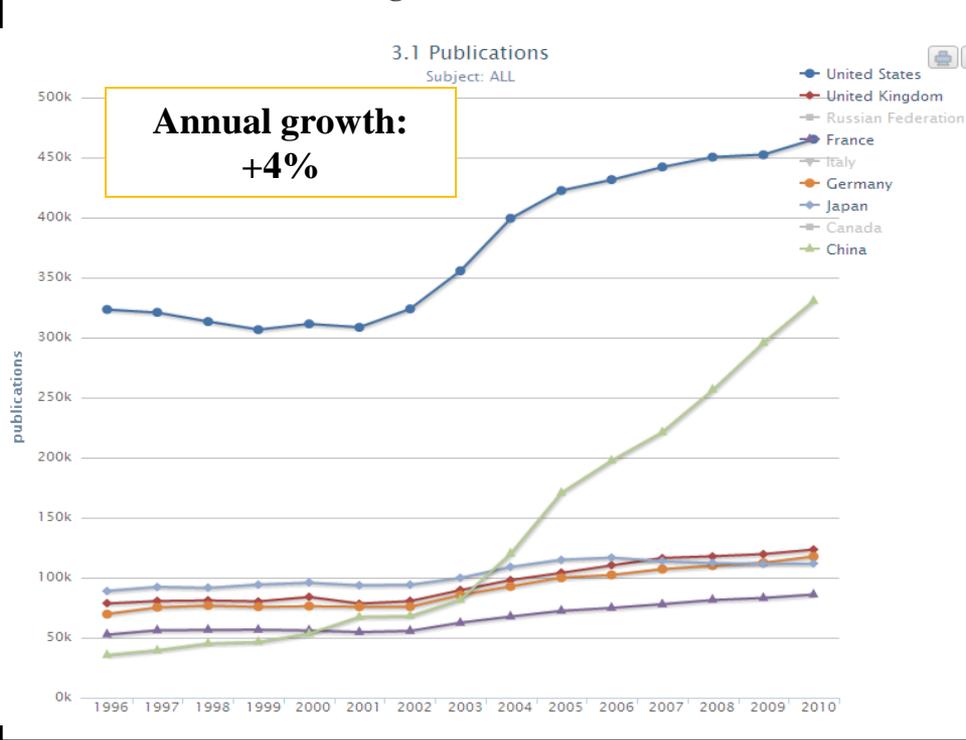
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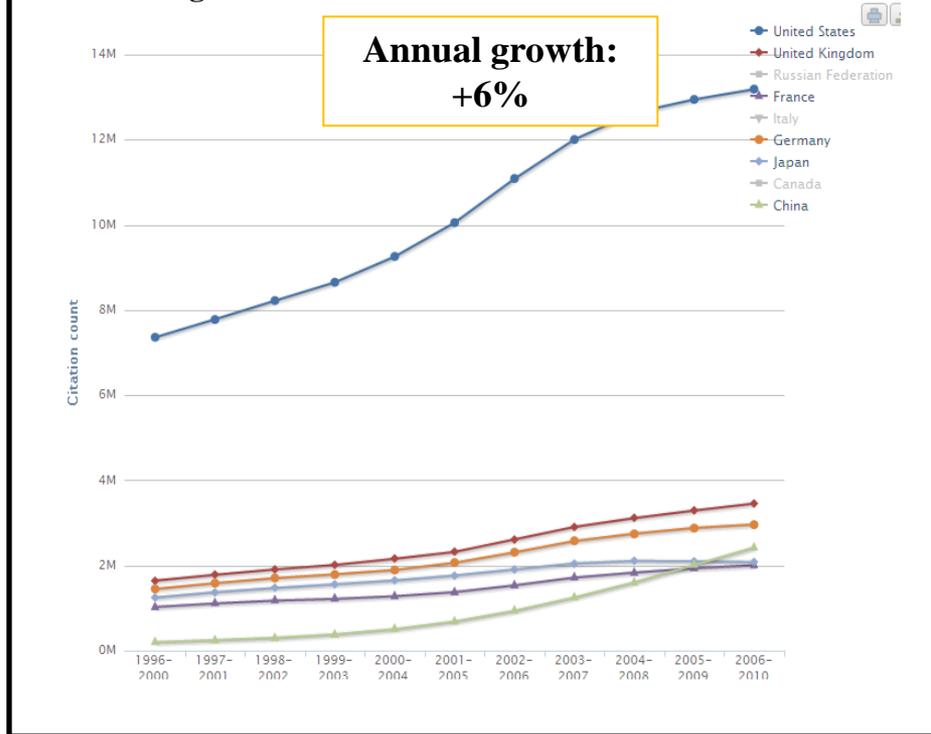
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 3. Разработки в области нейронаук из Университета Брауна (США).
 4. 5. Разработки в области клинической неврологии Главного госпиталя Массачусетса, Гарвардской медицинской школы.

*из материалов презентации Н.Г. Кураковой для
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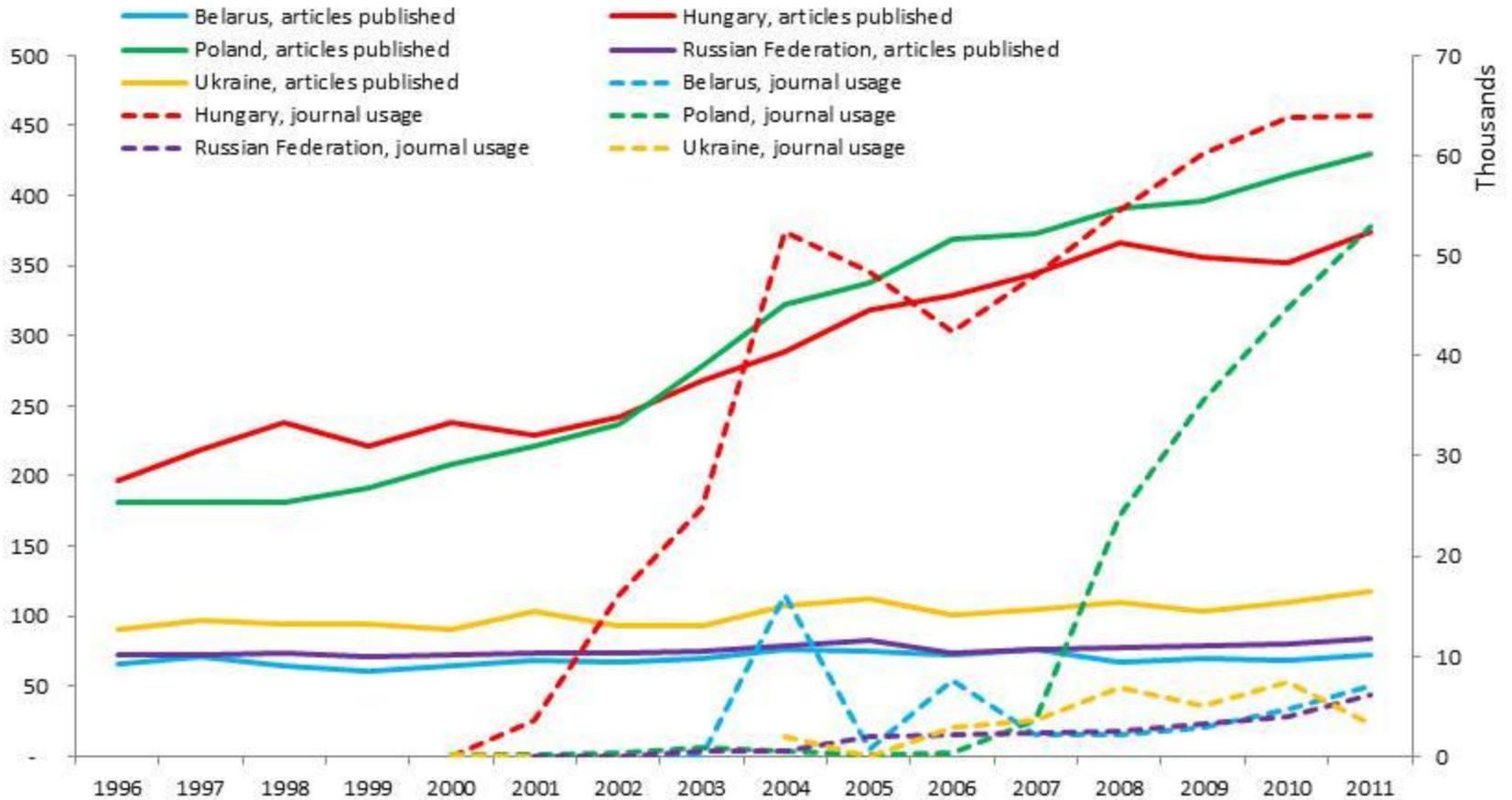
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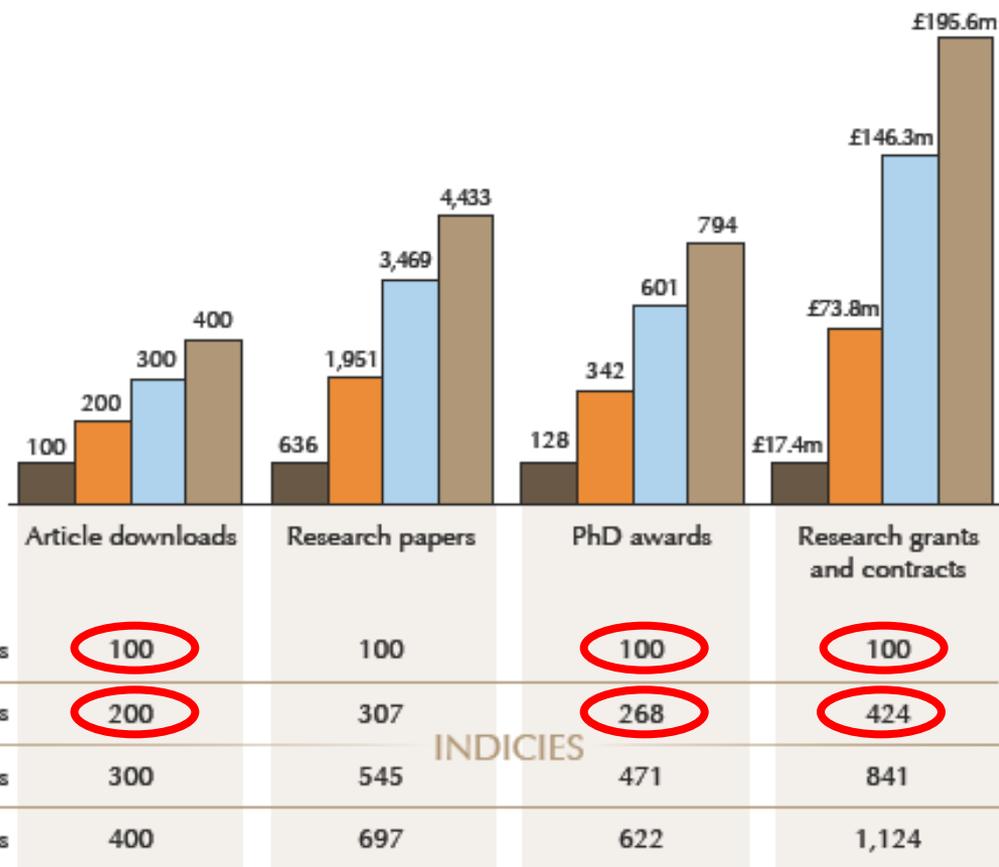
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“Удвоение в загрузке, с 1 до 2 миллионов, статистически связано с существенным – но не обязательно является причиной – увеличением исследовательской продуктивности”

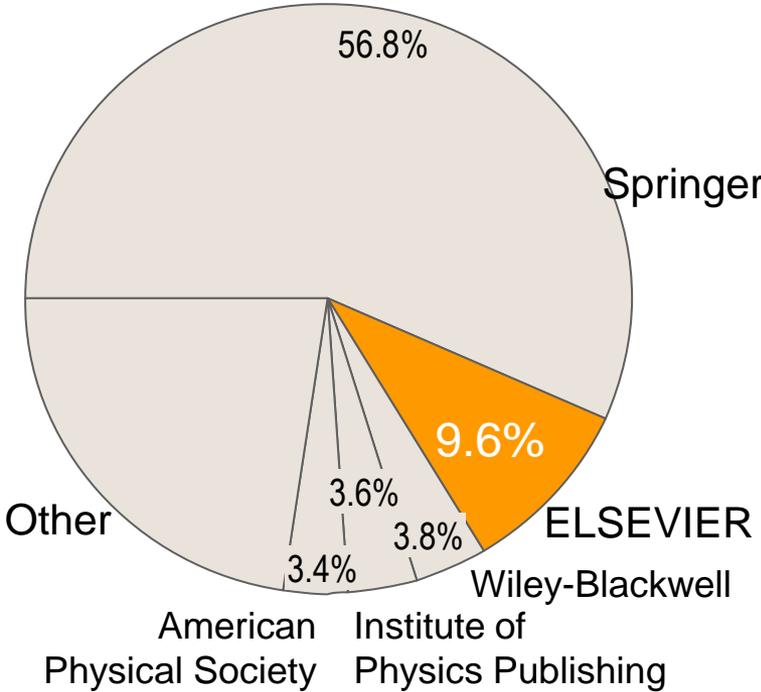
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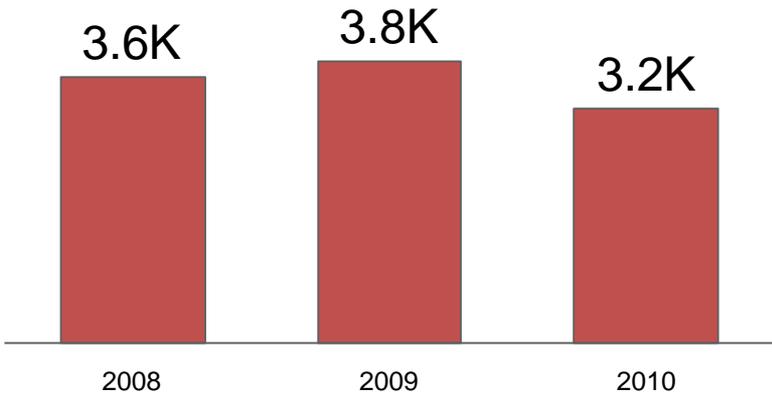
Рост еще выше – чем больше число загрузок

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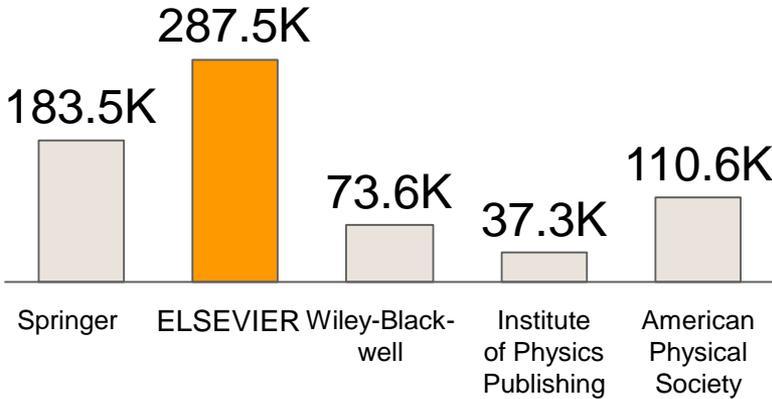
2010 Market share of Articles in (Russia) Indexed on Scopus



Number of Publications with Elsevier in (Russia)



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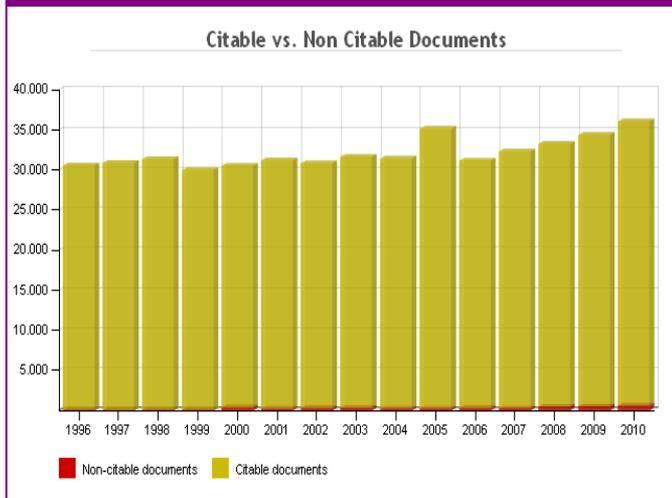
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Note: SCImago. (2010). SJR – SCImago Journal & Country Rank. Retrieved September 15, 2011 from <http://www.scimagojr.com>

	Country	Documents	Citable documents	Citations	Self-Citations	Citations per Document	H index
1	United States	5,322,590	4,972,679	100,496,612	46,657,626	20,18	1,229
2	China	1,848,727	1,833,463	7,396,935	3,937,424	5,66	316
3	United Kingdom	1,533,434	1,392,982	24,535,306	5,911,758	17,42	750
4	Japan	1,464,273	1,429,881	16,452,234	4,953,600	11,72	568
5	Germany	1,396,126	1,321,606	20,437,971	5,412,521	15,79	657
6	France	1,021,041	964,320	14,156,535	3,310,129	15,09	604
7	Canada	790,397	748,787	12,187,113	2,406,404	17,55	580
8	Italy	762,290	720,911	9,861,600	2,316,810	14,45	515
9	Spain	583,554	547,858	6,573,014	1,692,724	13,12	412
10	India	533,006	507,792	3,211,864	1,102,880	7,27	256
11	Australia	520,045	485,249	7,083,995	1,532,649	16,00	450
12	Russian Federation	480,665	476,490	2,456,003	737,059	5,21	285
13	Netherlands	435,083	409,982	7,805,760	1,342,441	20,05	509
14	South Korea	430,438	422,745	3,344,131	769,396	9,82	287
15	Brazil	328,361	318,294	2,409,214	783,003	9,57	262
16	Switzerland	309,549	292,254	6,007,936	848,894	21,77	506
17	Taiwan	308,498	301,775	2,391,691	595,815	9,57	229
18	Sweden	304,831	292,150	5,410,618	905,907	19,09	448
19	Poland	265,139	259,850	1,853,462	496,520	7,87	258
20	Belgium	237,081	224,898	3,621,954	555,562	17,10	398
21	Turkey	231,178	219,280	1,380,599	383,421	7,54	176
22	Israel	186,281	177,814	2,898,025	433,162	16,66	368
23	Austria	164,308	155,111	2,324,954	337,266	16,01	336
24	Denmark	162,761	154,612	3,015,221	452,805	20,42	373
25	Finland	153,964	149,390	2,447,743	415,216	17,64	330
26	Greece	142,767	135,434	1,350,053	253,006	11,34	228
27	Hong Kong	129,792	124,880	1,464,726	232,781	12,79	248
28	Mexico	125,646	122,268	1,005,002	221,648	9,49	201
29	Norway	122,768	116,973	1,749,741	294,571	16,63	288
30	Czech Republic	122,379	118,930	942,579	233,542	8,82	206
31	Iran	120,350	117,469	499,322	204,982	7,68	106
32	Singapore	109,346	105,665	1,092,233	159,314	11,82	218
33	New Zealand	101,286	95,295	1,309,197	218,297	14,80	247
34	Portugal	100,111	96,937	960,473	198,308	12,14	199
35	South Africa	93,926	88,329	862,984	192,386	10,58	198
36	Argentina	93,883	91,056	886,653	200,940	10,56	191
37	Hungary	89,305	86,438	923,883	160,620	11,14	224
38	Ukraine	88,707	88,007	344,658	98,179	3,98	121
39	Ireland	78,892	74,033	974,485	120,487	15,56	234
40	Egypt	64,565	63,415	367,134	78,841	6,79	115

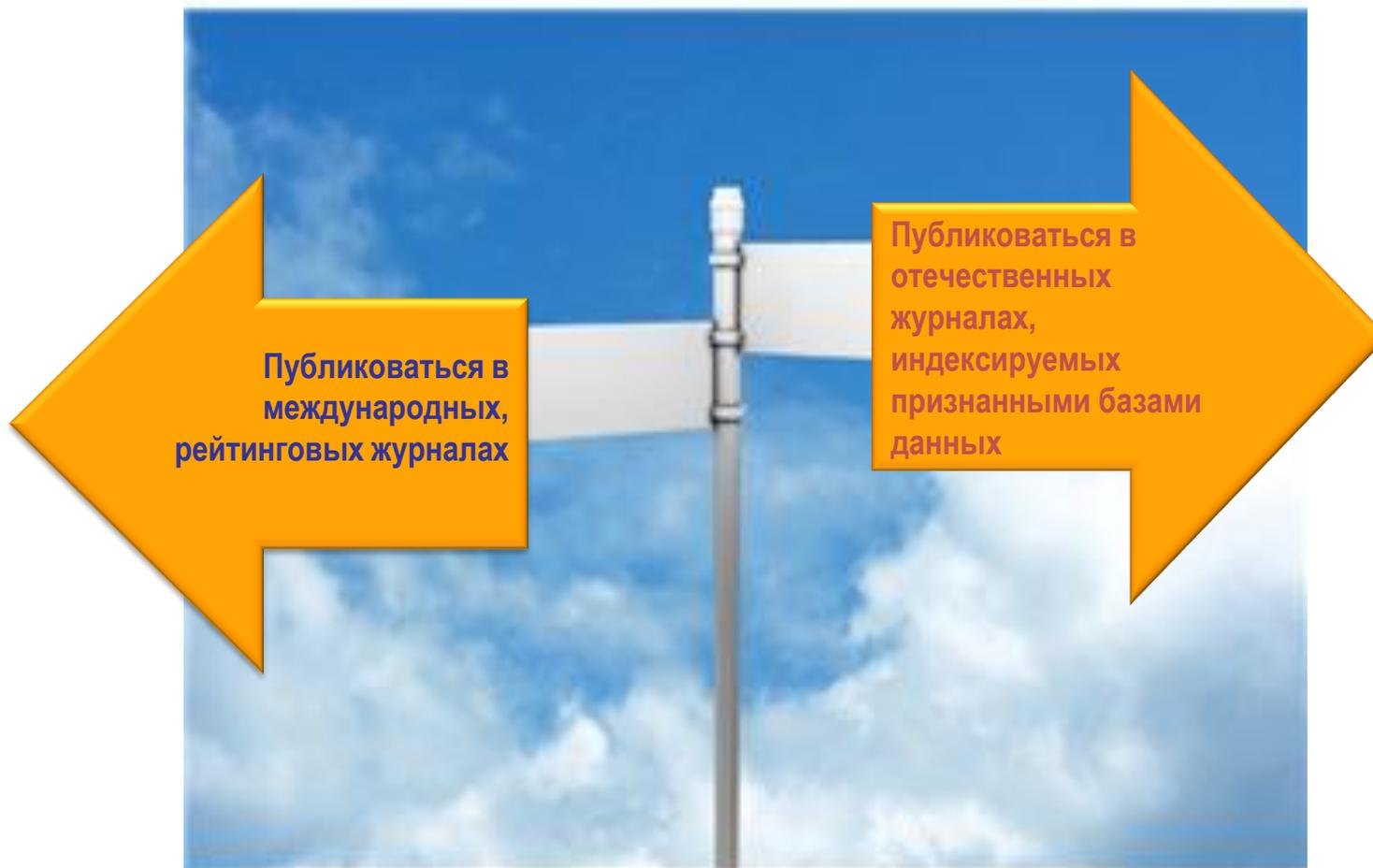
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- Необходим значительный сдвиг в количестве и качестве научных публикаций российских ученых
- Необходим оптимальный доступ к современным информационным ресурсам, как к первичным данным (полнотекстовая научная информация для ученых), так и информационным аналитическим ресурсам

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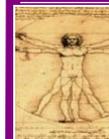
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Публикация книги сэра Александра Флеминга, посвященной новому революционному антибиотику в 1946г. - "*Penicillin: Its Practical Application*"



"*Анатомия Грæя*" опубликованная в 1858 г. стала основой для научного изучения анатомии и медицины в мире

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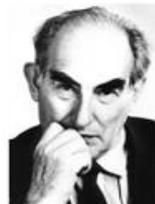
Louis Pasteur

Chemistry



Ivan Pavlov

Medicine



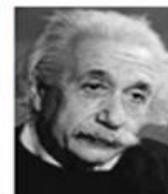
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Leonid Kantorovich

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Albert Einstein

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Roger Kornberg

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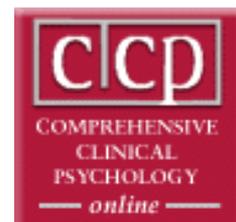
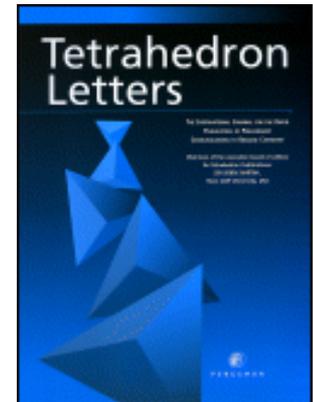


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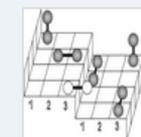
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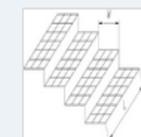
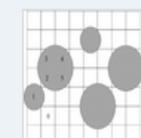
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The simplest model of adsorption o orientations in adlayer on the stepped surface

V.F. Fefelov^a, V.A. Gorbunov^a, A.V. Myshlyavtseva^{a, b}, M.D. Myshlyavtseva^a, S. Evseeva^a

^a Omsk State Technical University, Omsk, Russia

^b Institute of Hydrocarbons Processing SB RAS, Omsk, Russia

Abstract

In this article we have constructed and studied using the Monte Carlo and transfer-matrix techniques the simple lattice gas models of self-assembled monolayer, which consists of molecules with different orientations in the adlayer on the stepped surfaces. It was shown that in the case of adsorption of complex molecules the surface heterogeneity of stepped type leads to a great variety of ordered structures comparatively with homogeneous one. The constructed models fairly well reproduce the main features of real SAMs consisting of molecules with different orientations with respect to interface and the model ordered phases are also analogues to the structures of real SAMs.

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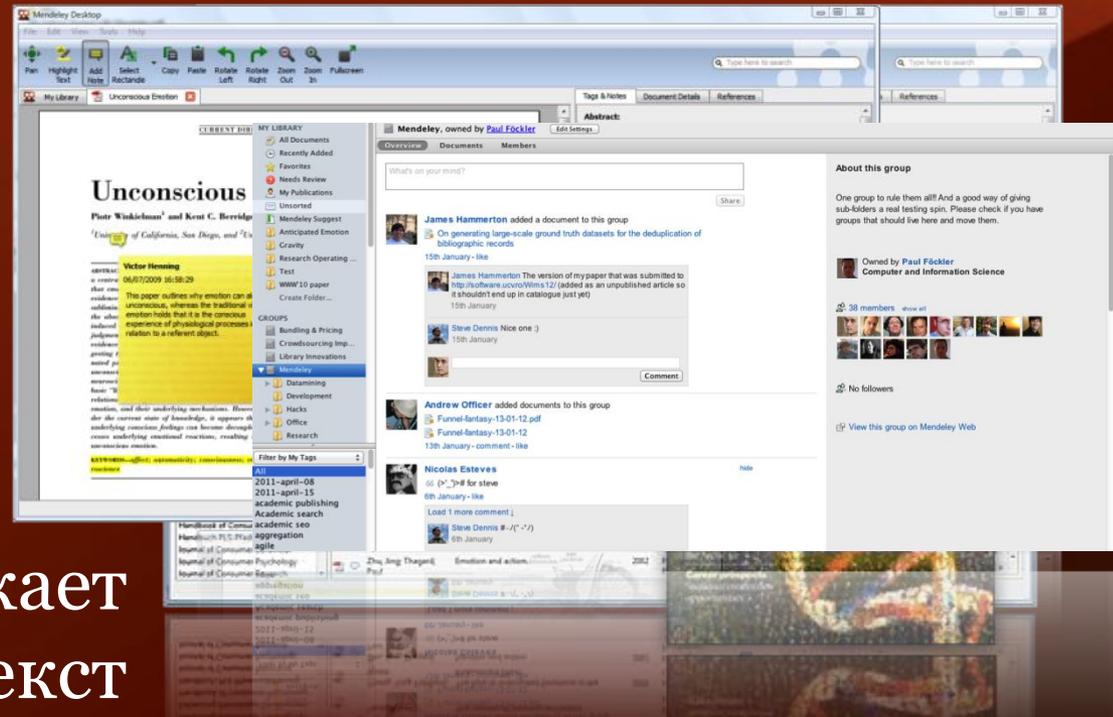


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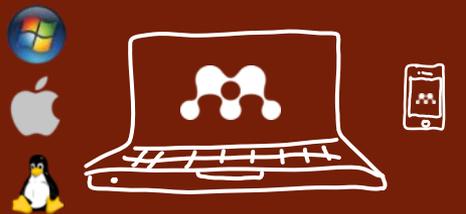
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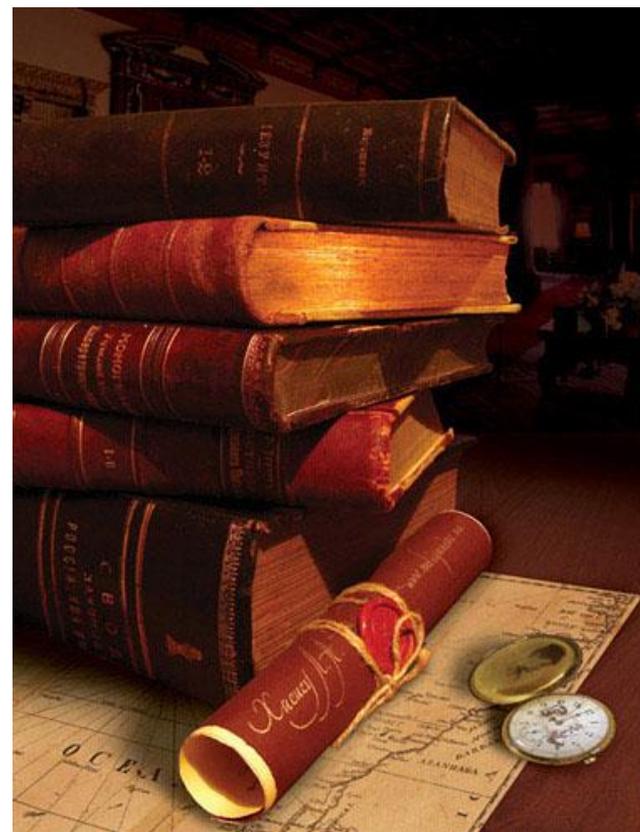
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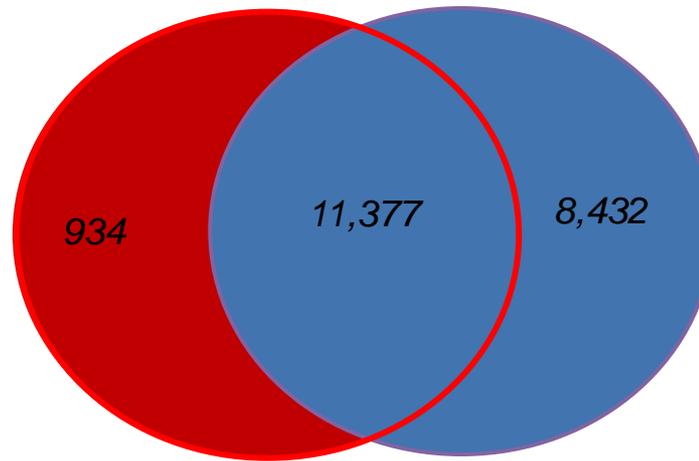
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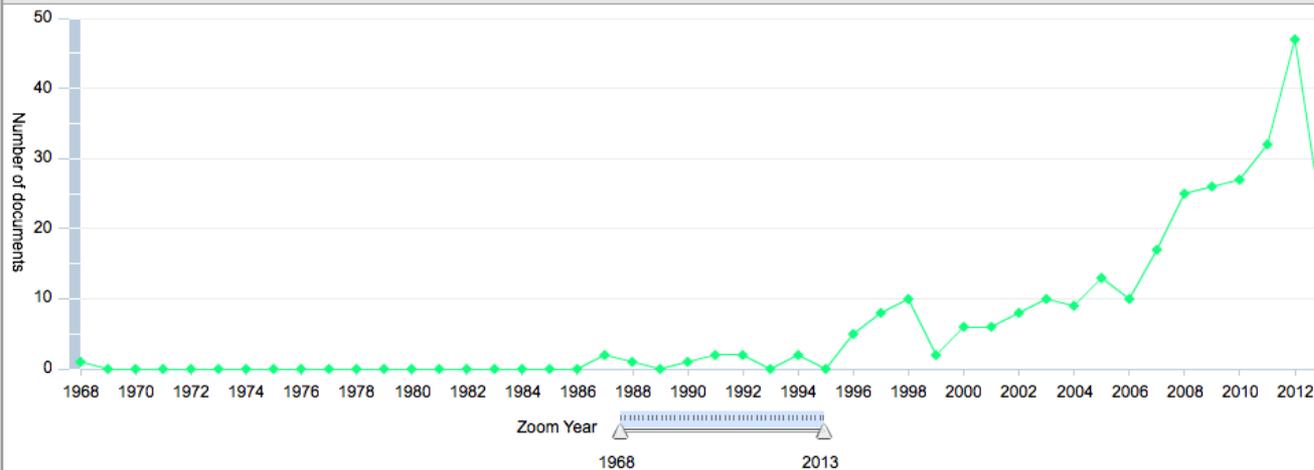
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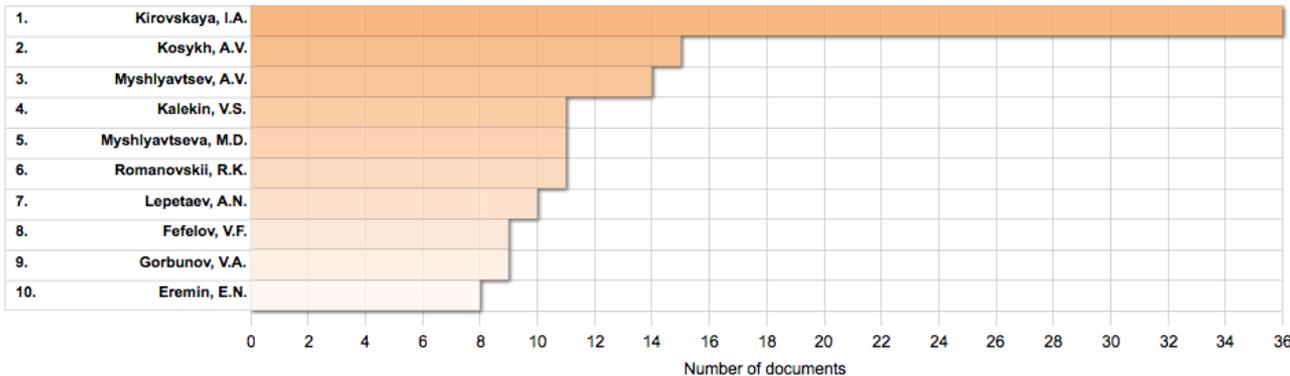
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Chemical Engineering Journal

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Подробная информация о статье

The simplest self-assembled monolayer model with different orientations of complex organic molecules. Monte Carlo and transfer-matrix techniques

Fefelov, V.F.^a | Gorbunov, V.A.^a | Myshlyavtsev, A.V.^{ab} | Myshlyavtseva, M.D.^a

^a Omsk State Technical University, Omsk, Russian Federation

^b Institute of Hydrocarbons Processing SB RAS, Omsk, Russian Federation

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Abstract

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In the present paper we construct and study the simplest model of self-assembled monolayer (SAM) with several different orientations of complicated organic molecules with respect to the interface. In order to study the model we used transfer-matrix and Monte Carlo techniques. It was shown that the structures of the model ordered phases are analogous to the structures of real SAMs. Our model of SAMs demonstrates the non-monotonous dependence of the total coverage versus pressure (chemical potential), i.e. at the increase of pressure the empty surface area can grow that can take B.V. All rights reserved.

Ссылки на вэб и патенты

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Adsorption; Monte Carlo simulation; Self-assembled monolayer; Transfer-matrix method

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Immunogenicity of induced pluripotent stem cells

Zhao, T., Zhang, Z.-N., Rong, Z., Xu, Y.  

Section of Molecular Biology, Division of Biological Sciences, University of California, San Diego, 9500 Gilman Drive, San Diego, CA 92093-0322, United States

Abstract

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Induced pluripotent stem cells (iPSCs), reprogrammed from somatic cells with defined factors, hold great promise for regenerative medicine as the renewable source of autologous cells. Whereas it has been generally assumed that these autologous cells should be immune-tolerated by the recipient from whom the iPSCs are derived, their immunogenicity has not been vigorously examined. We show here that, whereas embryonic stem cells (ESCs) derived from inbred C57BL/6 (B6) mice can efficiently form teratomas in B6 mice without any evident immune rejection, the allogeneic ESCs from 129/SvJ mice fail to form teratomas in B6 mice due to rapid rejection by recipients. B6 mouse embryonic fibroblasts (MEFs) were reprogrammed into iPSCs by either retroviral approach (viPSCs) or a novel episomal approach (EiPSCs) that causes no genomic integration. In contrast to B6 ESCs, teratomas formed by B6 viPSCs were mostly immune-rejected by B6 recipients. In addition, the majority of teratomas formed by B6 EiPSCs were immunogenic in B6 mice with T cell infiltration, and apparent tissue damage and regression were observed in a small fraction of teratomas. Global gene expression analysis of teratomas formed by B6 ESCs and EiPSCs revealed a number of genes frequently overexpressed in teratomas derived from EiPSCs, and several such gene products were shown to contribute directly to the immunogenicity of the B6 EiPSC-derived cells in B6 mice. These findings indicate that, in contrast to derivatives of ESCs, abnormal gene expression in some cells differentiated from iPSCs can induce T-cell-dependent immune response in syngeneic recipients. Therefore, the immunogenicity of therapeutically valuable cells derived from patient-specific iPSCs should be evaluated before any clinic application of these autologous cells into the patients. © 2011 Macmillan Publishers Limited. All rights reserved.

Indexed Keywords

EMTREE drug terms: gene product

GEOBASE Subject Index: embryo; immune response; immune system; immunoassay; molecular analysis; regression analysis; rodent; tolerance

EMTREE medical terms: animal experiment; animal model; article; cell differentiation; cell infiltration; embryonic stem cell; gene expression; human; human cell; immune response; immunogenicity; mouse; nonhuman; nucleotide sequence; pluripotent stem cell; priority journal; T lymphocyte; teratoma; tissue injury; tumor rejection

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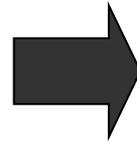
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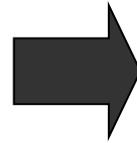
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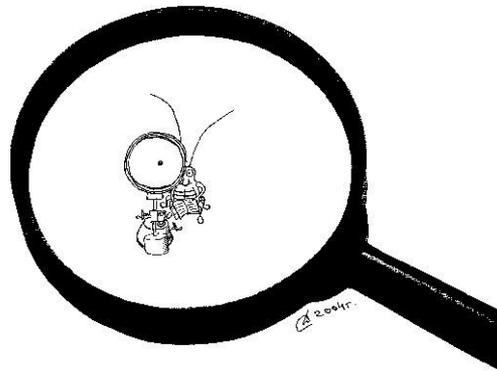
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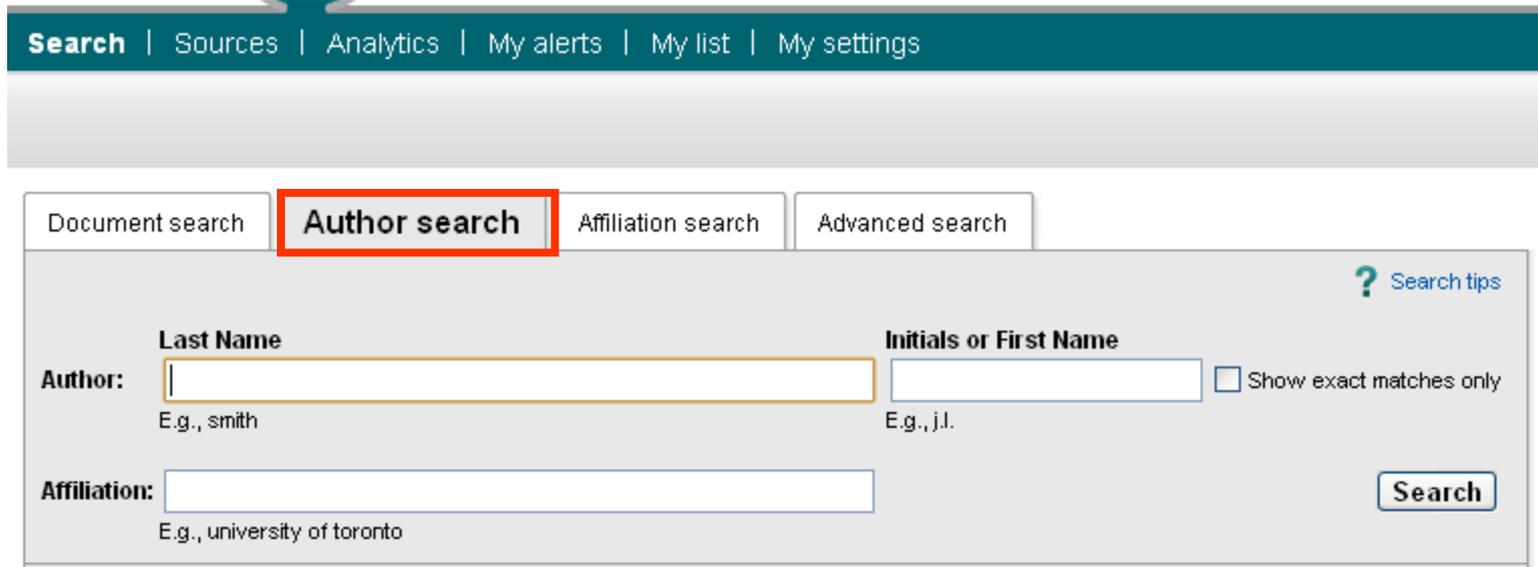
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Communications*

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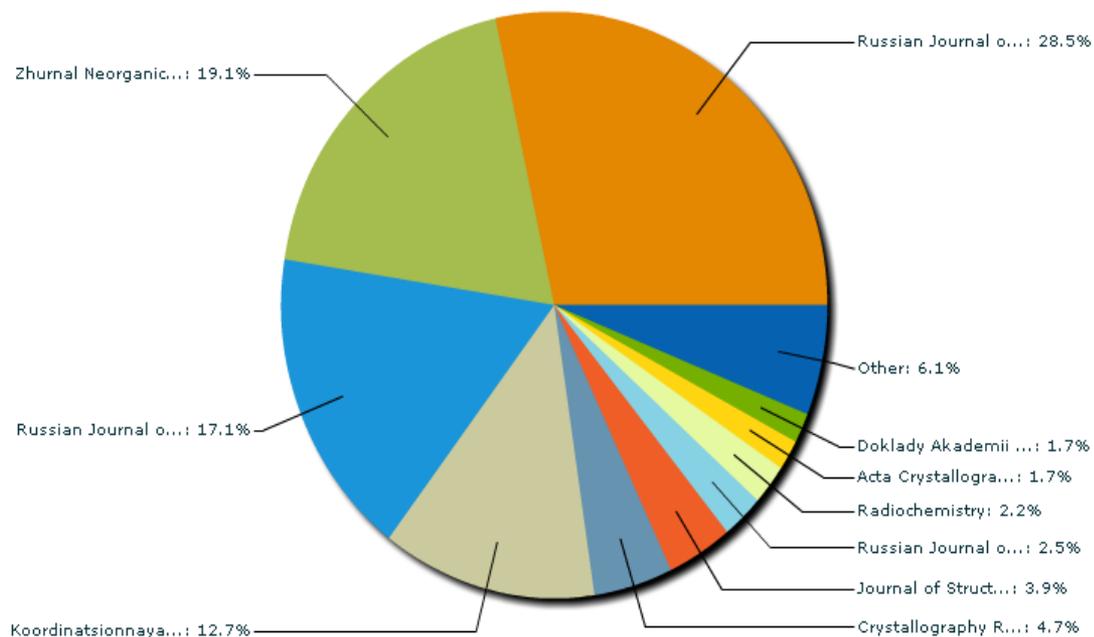
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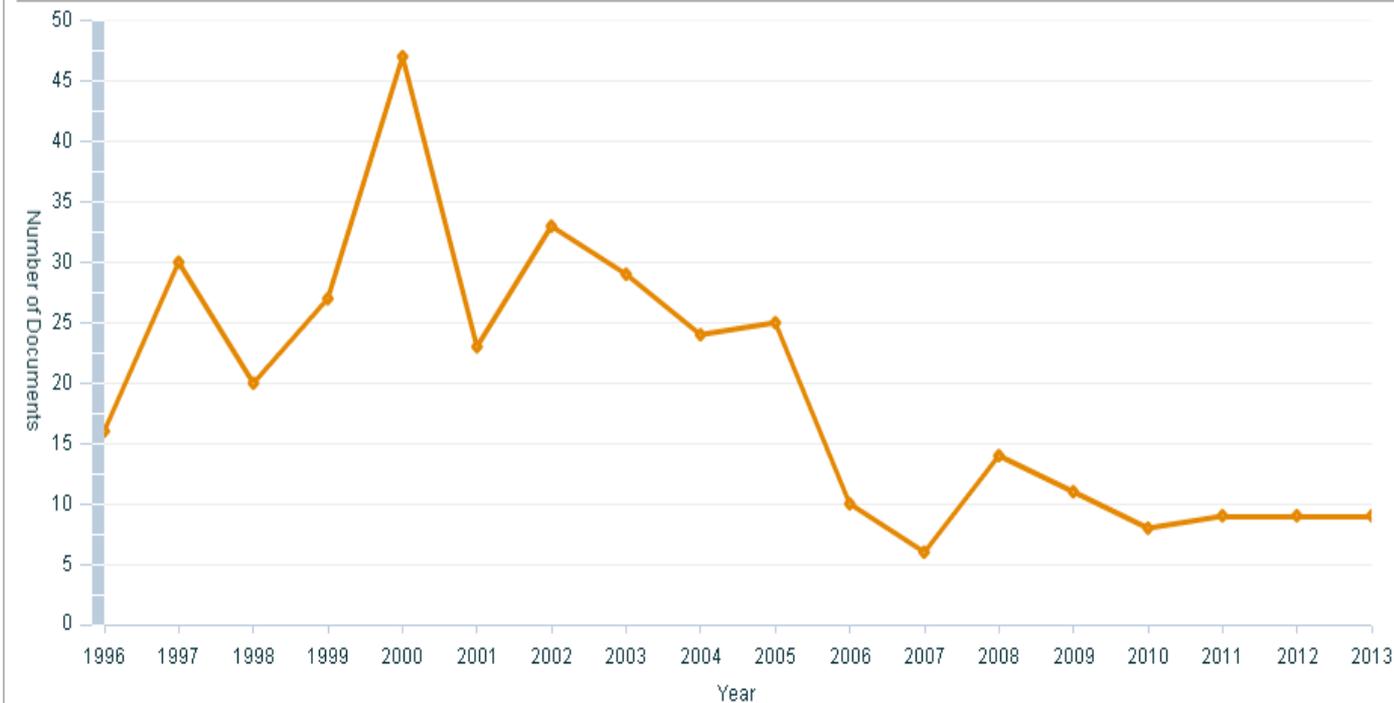
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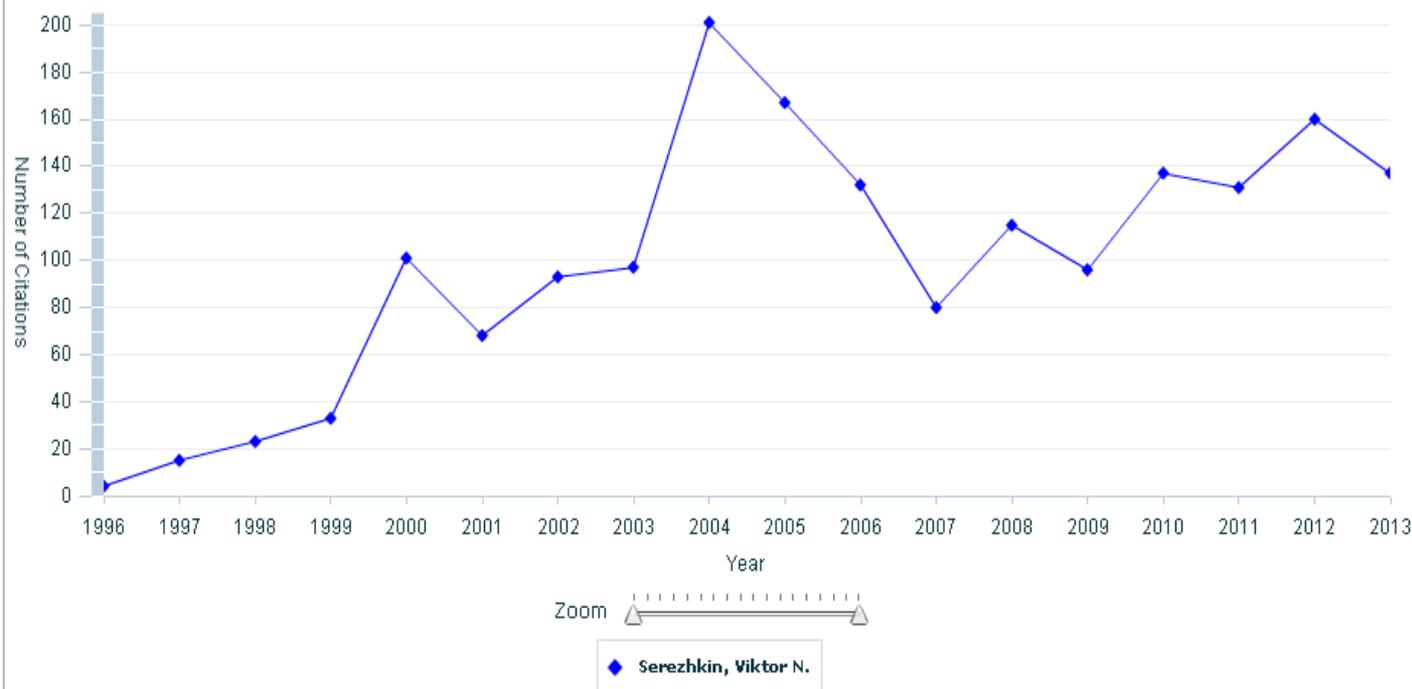
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2004	201
2003	97
2002	93
2001	68
2000	101
1999	33
1998	23

Индекс Хирша (*h-index*)



- Предложен в 2005 г. американским физиком **Хорхе Хиршем** из университета Сан-Диего, Калифорния
- *h-index* становится самой популярной метрикой для оценки эффективности работы ученых на основе цитируемости их статей

«Учёный имеет индекс h , если h из его N_p статей цитируются как минимум h раз каждая, в то время как оставшиеся $(N_p - h)$ статей цитируются не более чем h раз каждая.»

J.E. Hirsch, "An index to quantify an individual's scientific research output," PNAS 102, 16569-16572 (2005)

Пример

Serezhkin, Viktor N.(2 total) (ID 7005528076) [Details](#)

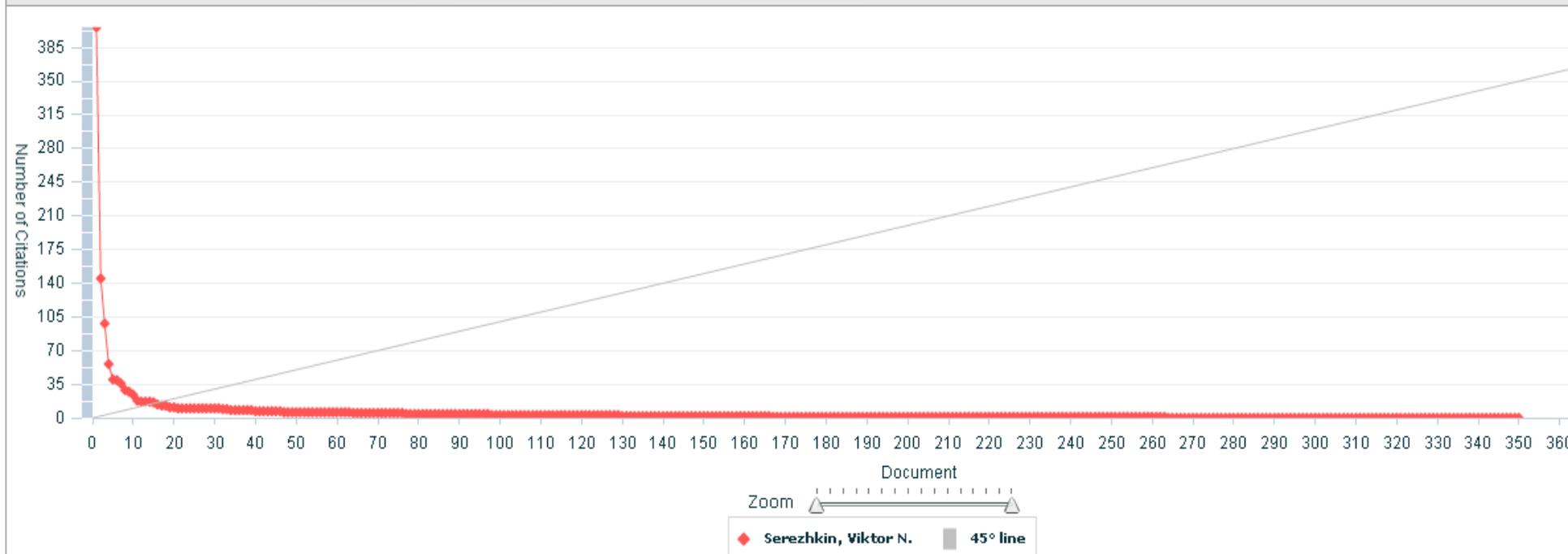
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6	39	Computer-aided crystallochemical analysis: TOPOS program package
7	36	Stereoatomic Model of the Structure of Inorganic and Coordination Compounds
8	29	TOPOS3.1 - Program package for multipurpose geometrical and topological analysis of crystal structures
9	27	The Method of Intersecting Spheres for Determination of Coordination Numbers of Atoms in Crystal Structures
10	24	Stereoactivity effect of the lone electron pair in the structure of selenium oxide compounds
11	18	Voronoi-dirichlet polyhedra of uranium atoms and the rule of 18 electrons in sulfato uranyl complexes
12	17	Analysis of lanthanide n complexes in terms of voronoi-dirichlet polyhedra
13	17	Stereochemical effect of lone pair electrons in the structures of oxygen-containing sulfur compounds
14	17	X-ray diffraction study of the crystals of (NH4)6[(UO2)2C2O4 · 4(SeO4)4] · 2H2O refinement of the crystal structure of [UO2C2O4 · H2O] · 2H2O
15	16	Crystal structure of Na2[UO2(SeO4)2] · 4H2O
16	14	Environment of potassium ions in oxygen-containing compounds
17	13	Crystal structure of [C2H4(NH3)2][UO2 · 2(SO4)2 · H2O]

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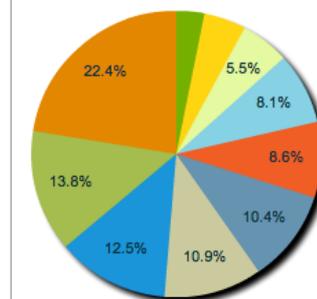
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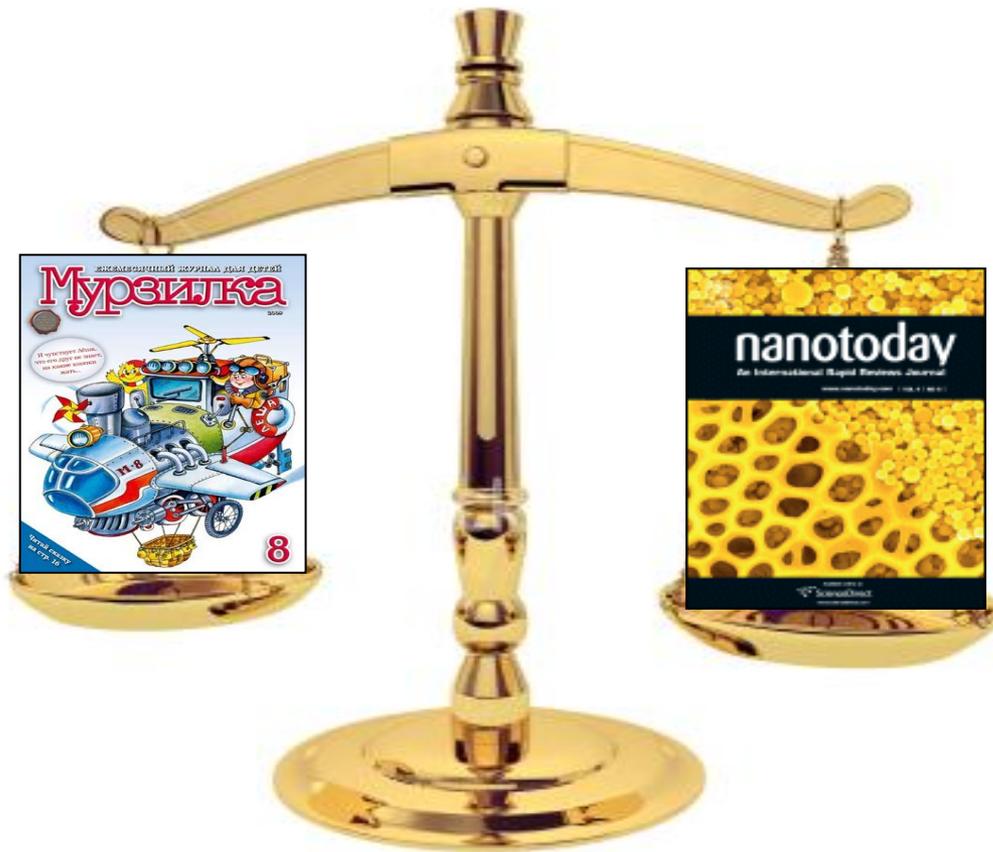
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SNIP и SJR – что это такое?

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- Разработчик: Henk Moed, CWTS

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Источник: Построение рейтингов журналов по менеджменту с помощью методов теории коллективного выбора : препринт WP7/2011/04[Текст]/Ф. Т. Алескеров, В. В. Писляков, А. Н. Субочев, А. Г. Чистяков; Нац. исслед. ун-т «Высшая школа экономики». – М. : Изд. дом Высшей школы экономики, 2011. – 44с. – 150 экз.

SNIP и SJR – что это такое?

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• **Метрика престижа (Prestige metrics)**

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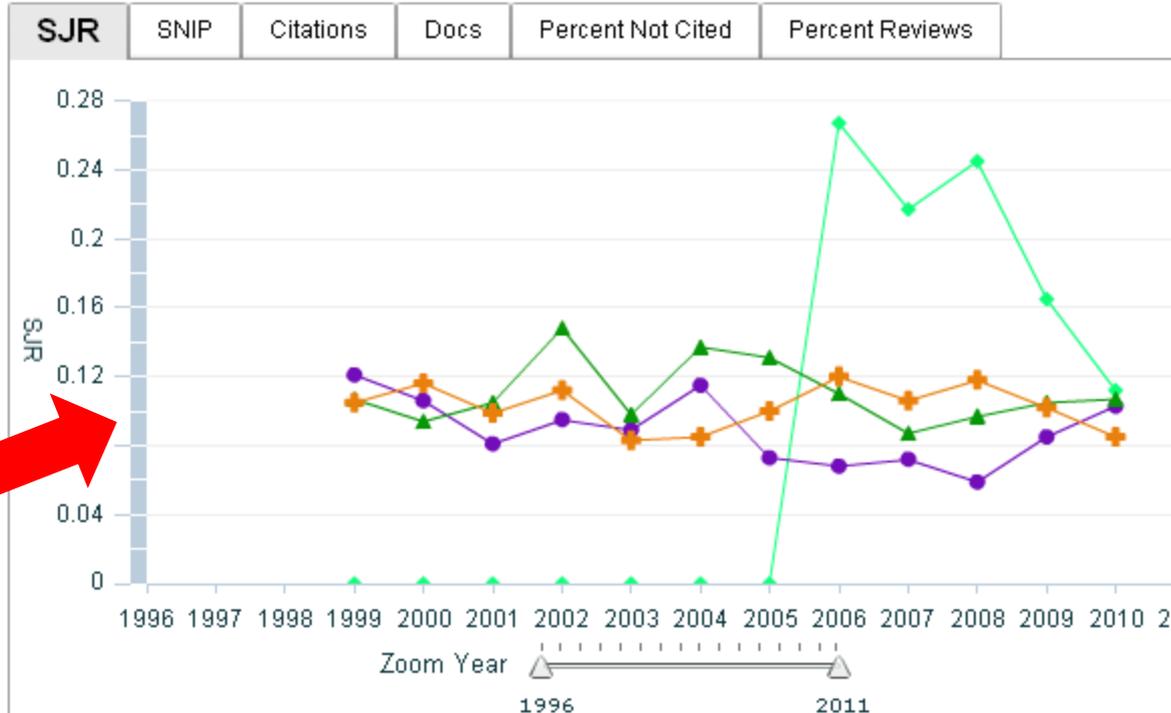
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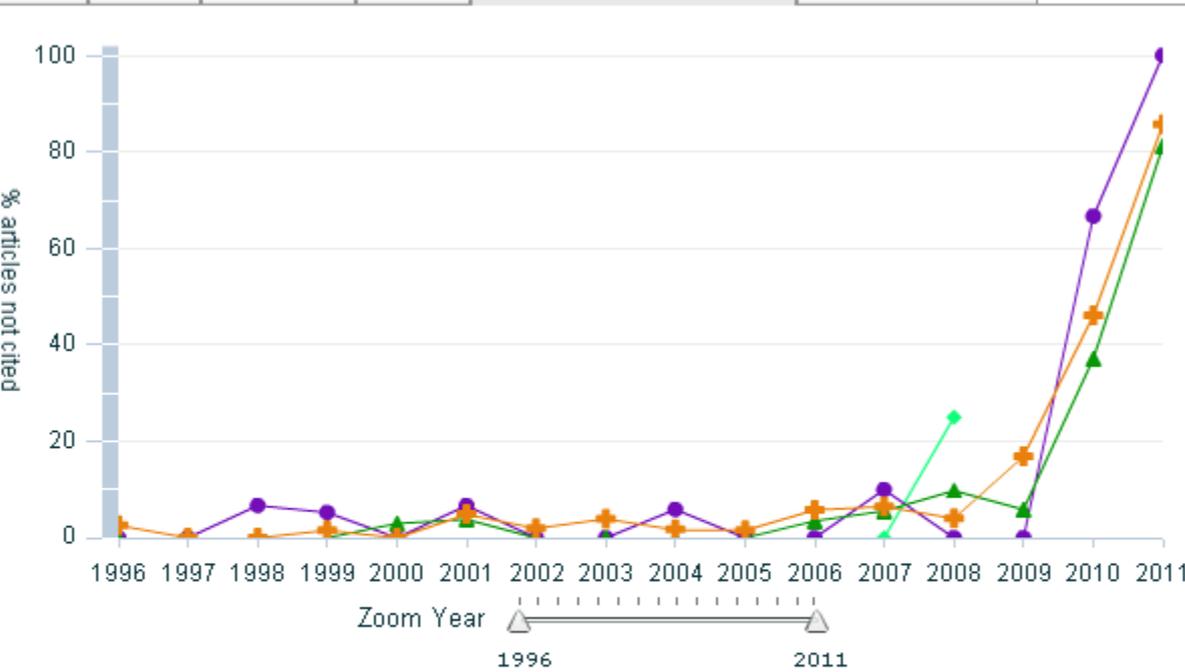
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1	Source Browse list												Life Sciences
2248	Russian Journal of Nematology	08696918	Active	0.586	0.031	0.652	0.035	0.676	0.033	Russian Federation			Life Sciences
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3685	Biochemistry. Biokhimiia	00062979	Active	0.404	0.144	0.427	0.153	0.471	0.099	Russian Federation			Life Sciences
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3805	Prikladnaya Biokhimiya i Mikrobiologiya	05551099	Active	0.158	0.037	0.268	0.035	0.265	0.040	Russian Federation			Life Sciences
3862	Zhurnal Evolyutsionnoi Biokhimi i Fiziologii	00444529	Active	0.222	0.027	0.219	0.030	0.251	0.027	Russian Federation			Life Sciences
3878	Mikrobiologiya	00263656	Active	0.174	0.033	0.269	0.045	0.225	0.038	Russian Federation			Life Sciences
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5140	Ontogenez	04751450	Active	0.214	0.029	0.194	0.030	0.194	0.028	Russian Federation			Life Sciences
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8981	Rossiiskii fiziologicheskii zhurnal imeni I.M. Sechenova / Rossiiskaia akademiia nauk	08698139	Inactive	0.201	0.031	0.148	0.030	0.177	0.028	Russian Federation			Life Sciences
9559	Journal of Ichthyology	00329452	Active	0.103	0.026	0.174	0.026	0.172	0.028	Russian Federation			Life Sciences
9560	Doklady Biological Sciences	00124966	Active	0.106	0.031	0.176	0.033	0.167	0.032	Russian Federation			Life Sciences
9732	Russlan Journal of Marine Biology	10630740	Active	0.107	0.029	0.119	0.035	0.159	0.033	Russian Federation			Life Sciences
9733	Aviakosmicheskaya i ekologicheskaya meditsina = Aerospace and environmental medicine	0233528X	Active	0.036	0.025	0.126	0.026	0.157	0.027	Russian Federation			Life Sciences
10341	Parazitologiya	00311847	Active	0.081	0.027	0.190	0.026	0.156	0.027	Russian Federation			Life Sciences
11663	Zhurnal Vysshei Nervnoi Deyatelnosti Imeni I.P. Pavlova	00444677	Active	0.195	0.030	0.177	0.029	0.150	0.027	Russian Federation			Life Sciences
12196	Biochemistry, Supplemental Series A	19907478	Active	0.067	0.040	0.120	0.044	0.146	0.032	Russian Federation			Life Sciences
12563	Molecular Biology	00268933	Active	0.157	0.046	0.192	0.049	0.145	0.035	Russian Federation			Life Sciences

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