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Украинские исследования в WEB OF KNOWLEGDE

Малгожата Красовска, Менеджер по развитию бизнеса, Thomson Reuters
Кшиштоф Шимански, Региональный менеджер, Thomson Reuters

Киев, Украина, 05/2011

ISI Web of KNOWLEDGE
Transforming Research

Как проводится оценка результатов научной деятельности?

- Примеры методов:
  - Количество и объём грантов
  - Количество наград (например, Нобелевских премий)
  - Количество патентов
  - Peer evaluation
  - **Подсчёт публикационной активности**
  - **Подсчёт количества цитирования**
  - **Библиометрические показатели, нормализованные по предметным областям**

- Peer Evaluation
  - Дорого, не лишено субъективности, существенные временные затраты

ISI WEB OF KNOWLEDGE И ISI *WEB OF SCIENCE*

ISI Web of Knowledge: основная платформа для научных исследований

Платформа включает в себя:

- ***Web of Science***
  (с трудами конференций)
- ***Journal Citation Reports***
- **И другие базы данных**

ISI Web of Knowledge

- 20 миллионов индивидуальных пользователей
- 150,000 пользователей каждый день
- > 3,500 институций
- > 23,000 журналов
- > 90 миллионов записей

Встроенные ресурсы Web:

- ***EndNote Web***
- ***ResearcherID***

THOMSON REUTERS

Более 350 000 Публикаций Украинских Ученых В Web Of Knowledge

статьи, обзорные статьи, письма, записки, краткие отчеты, патенты…

Food Science and Technology Abstracts™

Biological Abstracts®

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Derwent Innovations Index℠

CABI

Zoological Record®

Current Contents Connect®

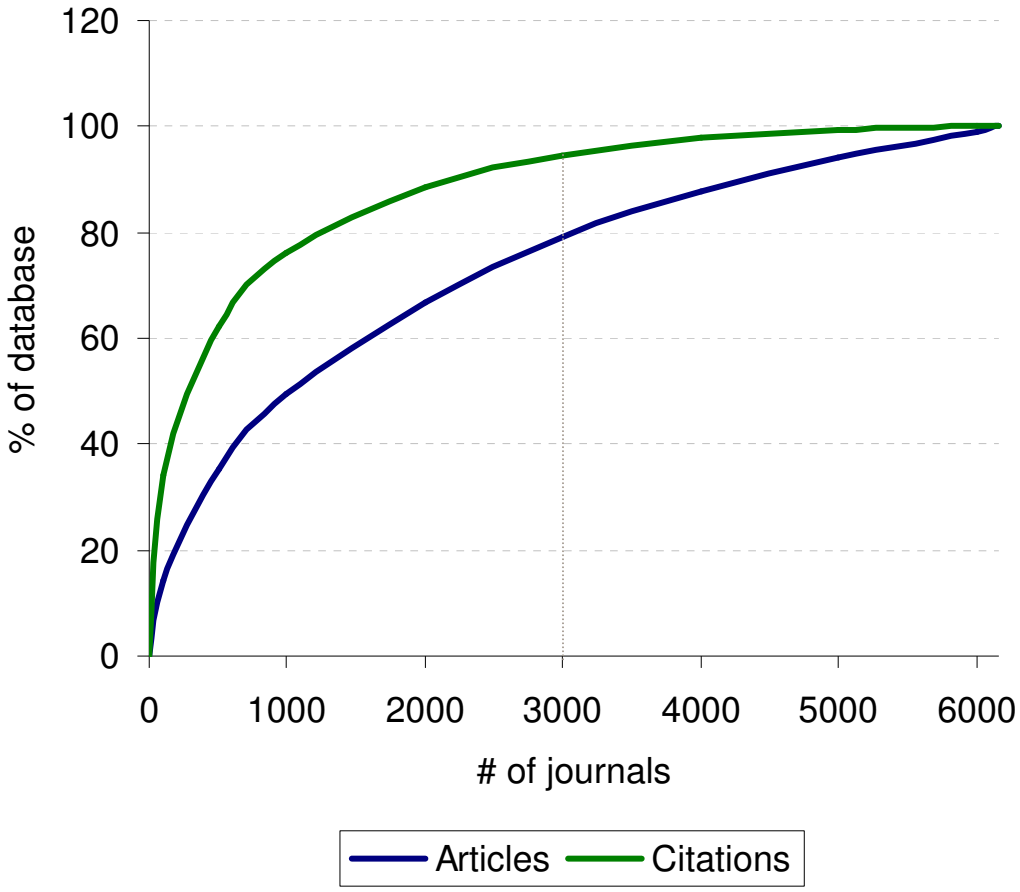
BIOSIS Previews®

5000+ Украинских Публикаций
ежегодно в Web of Science

Политика отбора журналов в Web of Science

- Для чего мы отбираем журналы?

Относительно небольшая группа журналов публикует абсолютное большинство *значимых научных результатов*



Всего 3000 журналов покрывает 80% статей…

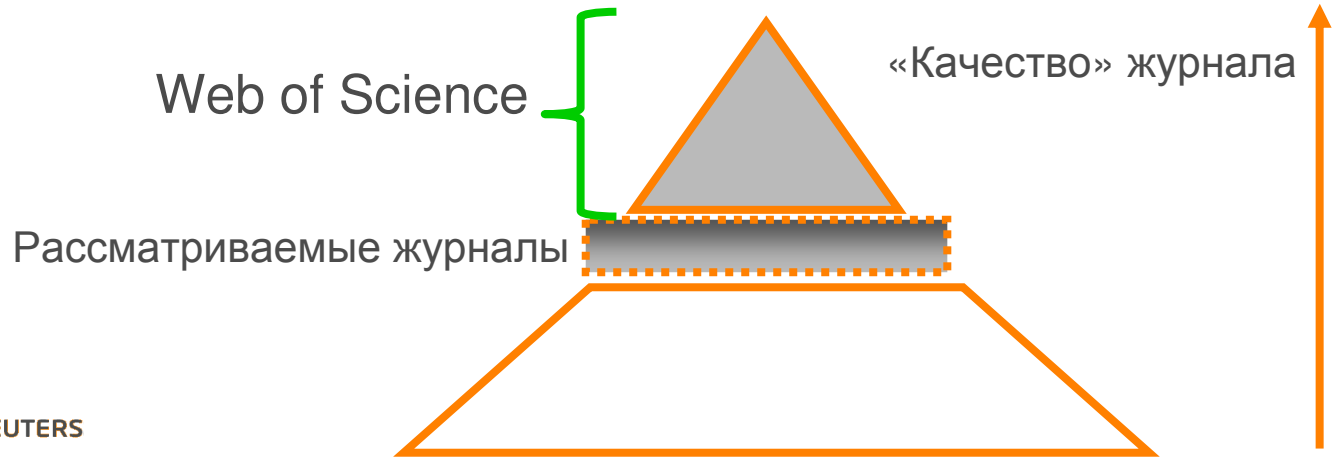
…но, что ещё более важно – 92% того, что цитируется

В 7,621 журнале опубликовано 814,967 статей, получивших 20,834,641 ссылок

4% журналов	(300) публикуют	**30% статей**	(239,206)
4% журналов	(300) получают	**51% ссылок**	(10,681,596)

Политика отбора журналов в Web of Science

- Ежегодно рассматривается ~2000 журналов
  - 10-12% принимается
- Эксперты Thomson Reuters
  - Профессионалы информационного бизнеса
  - Библиотекари
  - Эксперты в конкретной предметной области



ПРОЦЕСС ОТБОРА ЖУРНАЛОВ В THOMSON REUTERS

- ОДНАКО ПОНЯТИЕ «ОБШИРНЫЙ» НЕ ЗНАЧИТ «ВСЕОБЪЕМЛЮЩИЙ».
- ЗАЧЕМ НУЖЕН ОТБОР?
- Процесс оценки:
  - Базовые стандарты для журналов: своевременность издания журнала, соблюдение журналом международной издательской конвенции
  - международный состав авторов
  - Анализ цитирования
  - Содержание журнала

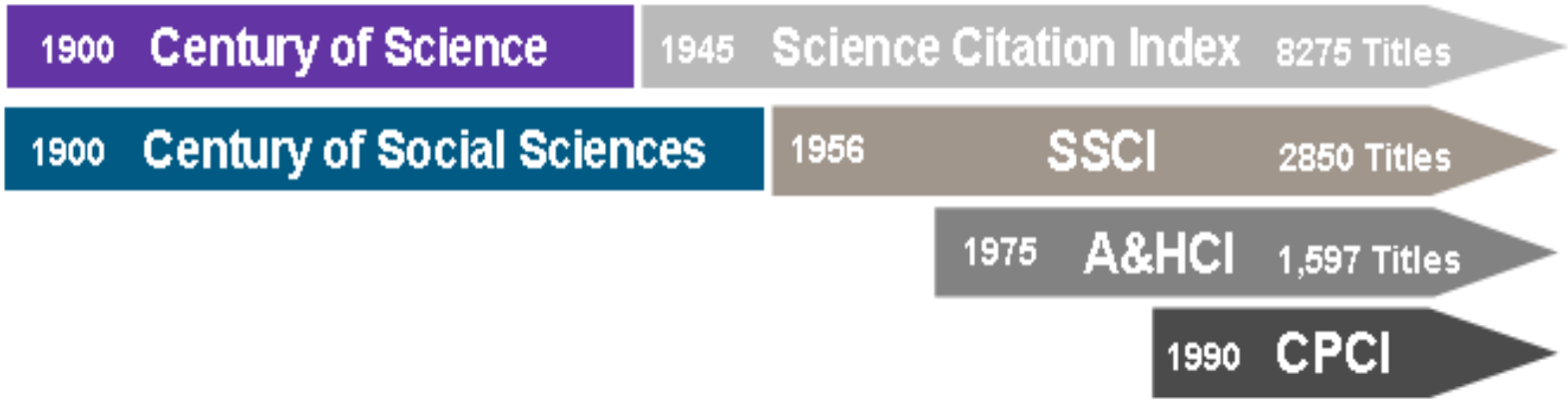
ИЗДАТЕЛЬСКИЕ СТАНДАРТЫ—ЧЕТЫРЕ ОСНОВНЫХ ЭЛЕМЕНТА

- Своевременность публикации *
- Международные издамельские законы
- Полный текст или библиографическая информация на английском языке
- Экспертная оценка (peer review)

Для чего нужен Web of Science?

- Тематическое информирование
- Справочно-библиографическое обслуживание
- Формирование собственных баз данных
- Поисковый интерфейс для пользователей любого уровня (ученые, аспиранты, студенты)
- Аналитические инструменты - библиометрические исследования

Журналы В Web Of Science



- 11, 927 журналов по всем научным областям в 250 отдельных категориях (04.2011)
- Более 12 000 конференций ежегодно (120 000 уже в индексе)
- 46 миллионов уникальных записей (самая большая база цитат)
- данны высокого качества и надёжности

Некоторые организации, использующие наши данные для оценки

- США: National Institutes of Health
- США: National Science Foundation (с 1974)
- Великобритяния: Office of Science & Technology; Higher Education Funding Council
- Евросоюз: DGXII (Research Directorate)
- Австралия: Академия Наук, правительственная лаборатория CSIRO
- Канада: NSERC, FRSQ (Quebec), Alberta Research Council
- Франция: Министерство Науки, OST - Париж, CNRS
- Германия: Общество Макса Планка, правительственные лаборатории, DKFZ, MDC
- Япония: Национальный институт Информатики, Министерство Образования, Министерство Экономики, Торговли и Промышленности
- Китай: Академия Наук
- Россия: РАН, СПбГУ, МИСиС
- Times Higher Education

Журналы из нашего региона в *Web of Science* в Апреле 2011 (+ число журналов с Impact Factor)

- Украина 18 (SE: 6)
- Россия 161 (SE:123, SSE: 6)
- Польша 143 (SE:103, SSE: 4)
- Турция 74 (SE:32, SSE: 7)
- Хорватия 60 (SE:24, SSE:12)
- Румыния 58 (SE:33, SSE: 3)
- Чешская Республика 57 (SE:31, SSE:5)
- Венгрия 40 (SE:21, SSE:3)
- Словакия 25 (SE:16, SSE: 3);Словения 25 (SE:7, SSE: 6)
- Сербия 19 (SE:9, SSE: 1)
- Болгария 10 (SE: 8)

Украинские Журналы в *Web of Science* (Апрель 2011)…

- Actual Problems of Economics
- Condensed Matter Physics (*)
- Journal of Mathematical Physics Analysis Geometry
- Journal of Superhard Materials
- Journal of Water Chemistry and Technology
- Kinematics and Physics of Celestial Bodies
- Low temperature physics
- Materials science (*)
- Metallofizika i noveishie tekhnologii (*)
- Neurophysiology

- (*) with Impact Factor

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Украинские Журналы в *Web of Science* (Апрель 2011)

- Nonlinear Oscillations
- Powder metallurgy and metal ceramics (*)
- Problems of atomic science and technology (*)
- Strength of materials
- Symmetry integrability and geometry-methods and applications (*)
- Theoretical and experimental chemistry
- Ukrainian journal of physical optics
- Ukrainian mathematical journal

- (*) with Impact Factor

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- 2000-2011: 63,000+ Публикации

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BELGIUM	600
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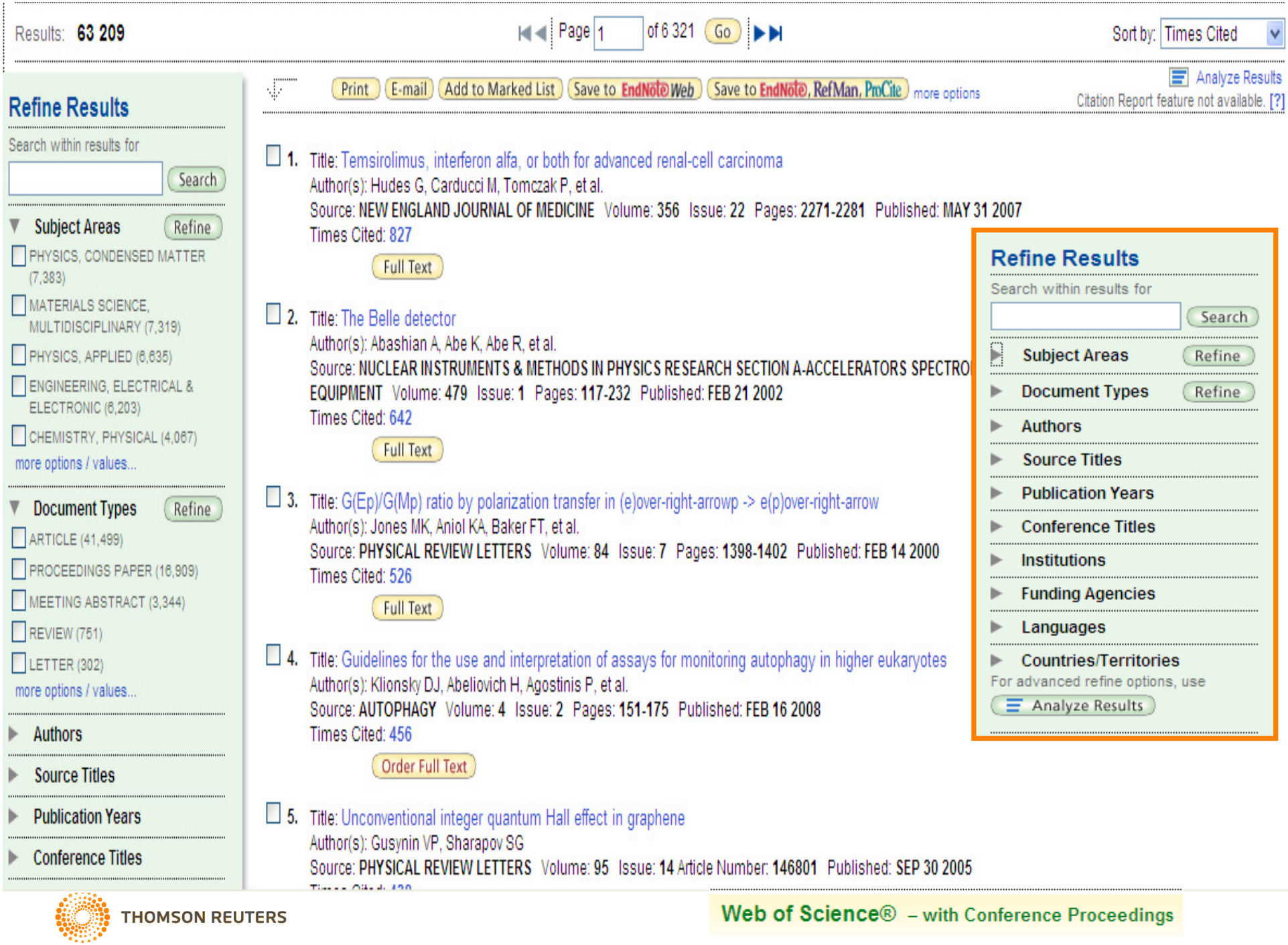
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MEETING ABSTRACT (3,344)
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1. Title: Temsirolimus, interferon alfa, or both for advanced renal-cell carcinoma
Author(s): Hudes G, Carducci M, Tomczak P, et al.
Source: NEW ENGLAND JOURNAL OF MEDICINE Volume: 356 Issue: 22 Pages: 2271-2281 Published: MAY 31 2007
Times Cited: 827
Full Text
2. Title: The Belle detector
Author(s): Abashian A, Abe K, Abe R, et al.
Source: NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTRO
EQUIPMENT Volume: 479 Issue: 1 Pages: 117-232 Published: FEB 21 2002
Times Cited: 642
Full Text
3. Title: G(Ep)/G(Mp) ratio by polarization transfer in (e)over-right-arrowp -> e(p)over-right-arrow
Author(s): Jones MK, Aniol KA, Baker FT, et al.
Source: PHYSICAL REVIEW LETTERS Volume: 84 Issue: 7 Pages: 1398-1402 Published: FEB 14 2000
Times Cited: 526
Full Text
4. Title: Guidelines for the use and interpretation of assays for monitoring autophagy in higher eukaryotes
Author(s): Klionsky DJ, Abeliovich H, Agostinis P, et al.
Source: AUTOPHAGY Volume: 4 Issue: 2 Pages: 151-175 Published: FEB 16 2008
Times Cited: 456
Order Full Text
5. Title: Unconventional integer quantum Hall effect in graphene
Author(s): Gusynin VP, Sharapov SG
Source: PHYSICAL REVIEW LETTERS Volume: 95 Issue: 14 Article Number: 146801 Published: SEP 30 2005
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Transport of Dirac quasiparticles in graphene: Hall and optical conductivities

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Author(s): Gusynin VP (Gusynin, V. P.), Sharapov SG (Sharapov, S. G.)

Source: PHYSICAL REVIEW B **Volume:** 73 **Issue:** 24 **Article Number:** 245411 **Published:** JUN 2006

Times Cited: 119 **References:** 67 Citation Map

Abstract: The analytical expressions for both diagonal and off-diagonal ac and dc conductivities of graphene placed in an external magnetic field are derived. These conductivities exhibit rather unusual behavior as functions of frequency, chemical potential, and applied field which is caused by the fact that the quasiparticle excitations in graphene are Dirac-like. One of the most striking effects observed in graphene is the odd integer quantum Hall effect. We argue that it is caused by the anomalous properties of the Dirac quasiparticles from the lowest Landau level. Other quantities such as Hall angle and Nernst signal also exhibit rather unusual behavior, in particular when there is an excitonic gap in the spectrum of the Dirac quasiparticle excitations.

Document Type: Article

Language: English

KeyWords Plus: 2-DIMENSIONAL GRAPHITE SYSTEM; QUANTIZING MAGNETIC-FIELD; FLAVOR SYMMETRY-BREAKING; ELECTRON-GAS; LANDAU-LEVELS; BERRYS PHASE; OSCILLATIONS; COEFFICIENTS; SPECTRUM; STATES

Reprint Address: Gusynin, VP (reprint author), Bogolyubov Inst Theoret Phys, Metrologicheskaya St 14-B, UA-03143 Kiev, Ukraine

Addresses:
1. Bogolyubov Inst Theoret Phys, UA-03143 Kiev, Ukraine
2. McMaster Univ, Dept Phys & Astron, Hamilton, ON L8S 4M1 Canada

E-mail Addresses: vgusynin@bitp.kiev.ua, sharapov@bitp.kiev.ua

проиндексированы все авторы и адреса авторов, инфомация о финансированиях,грантах, и т. д

Publisher: AMERICAN PHYSICAL SOC, ONE PHYSICS ELLIPSE, COLLEGE PK, MD 20740-3844 USA

Subject Category: Physics, Condensed Matter

IDS Number: 058XC

ISSN: 1098-0121

Citing Articles

Title: Transport of Dirac quasiparticles in graphene: Hall and optical conductivities
Author(s): Gusynin, VP
Source: PHYSICAL REVIEW B Volume: 73 Issue: 24 Article Number: 245411 Published: JUN 2006
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  - LIN, MF (6)
  - MIRANSKY, VA (6)
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- Conference Titles
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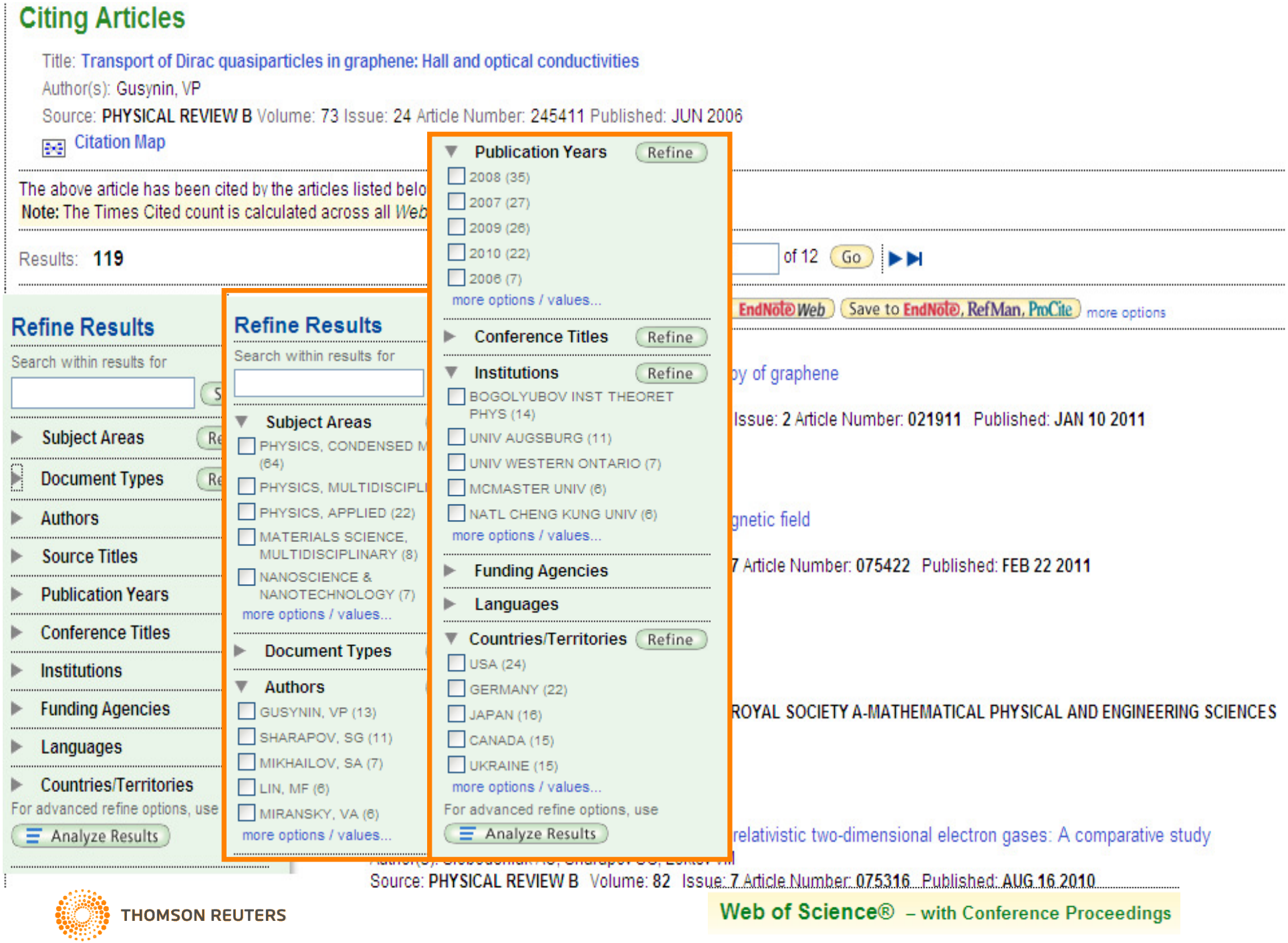
...nonreciprocity and gyrotropy of graphene
...Caloz C
...SICS LETTERS Volume: 98 Issue: 2 Article Number: 021911 Published: JAN 10 2011

...ization of graphene in a magnetic field
...PK, Gusynin VP
...VIEW B Volume: 83 Issue: 7 Article Number: 075422 Published: FEB 22 2011

...heory of graphene
...AL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES
...Published: DEC 13 2010

...effect in relativistic and nonrelativistic two-dimensional electron gases: A comparative study
...AO, Sharapov SG, Loktev VM
Source: PHYSICAL REVIEW B Volume: 82 Issue: 7 Article Number: 075316 Published: AUG 16 2010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Title: Transport of Dirac quasiparticles in graphene: Hall and optical conductivities
Author(s): Gusynin, VP
Source: PHYSICAL REVIEW B Volume: 73 Issue: 24 Article Number: 245411 Published: JUN 2006
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Где публикуются статьи украинских ученых?

-METALLOFIZIKA I NOVEISHIE TEKHNOLOGII

-INTERNATIONAL APPLIED MECHANICS

-LOW TEMPERATURE PHYSICS

-PROCEEDINGS OF THE SOCIETY OF PHOTO-OPTICAL INSTRUMENTATION ENGINEERS (SPIE)

-MATERIALS SCIENCE

-PHYSICAL REVIEW B

-POWDER METALLURGY AND METAL CERAMICS

-PROBLEMS OF ATOMIC SCIENCE AND TECHNOLOGY

-JOURNAL OF ALLOYS AND COMPOUNDS

-PHYSICS OF THE SOLID STATE

-RUSSIAN JOURNAL OF GENERAL CHEMISTRY

-ACTUAL PROBLEMS OF ECONOMICS

-JOURNAL OF HYPERTENSION

2000-2011, 18% Публикации

Украинское сотрудничество с Германией

- PHYSICS, CONDENSED MATTER (859)
- MATERIALS SCIENCE, MULTIDISCIPLINARY (641)
- PHYSICS, APPLIED (581)
- CHEMISTRY, PHYSICAL (558)
- PHYSICS, MULTIDISCIPLINARY (395)
- ASTRONOMY & ASTROPHYSICS (294)
- CHEMISTRY, INORGANIC & NUCLEAR (231)
- PHYSICS, NUCLEAR (214)
- METALLURGY & METALLURGICAL ENGINEERING (204)
- PHYSICS, ATOMIC, MOLECULAR & CHEMICAL (199)
- CHEMISTRY, ORGANIC (196)
- PHYSICS, PARTICLES & FIELDS (193)
- PHYSICS, MATHEMATICAL (192)
- NUCLEAR SCIENCE & TECHNOLOGY (189)
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- OPTICS (164)
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- PHYSICAL REVIEW B (324)
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- JOURNAL OF ALLOYS AND COMPOUNDS (89)
- PHYSICAL REVIEW E (84)
- JOURNAL OF APPLIED PHYSICS (76)
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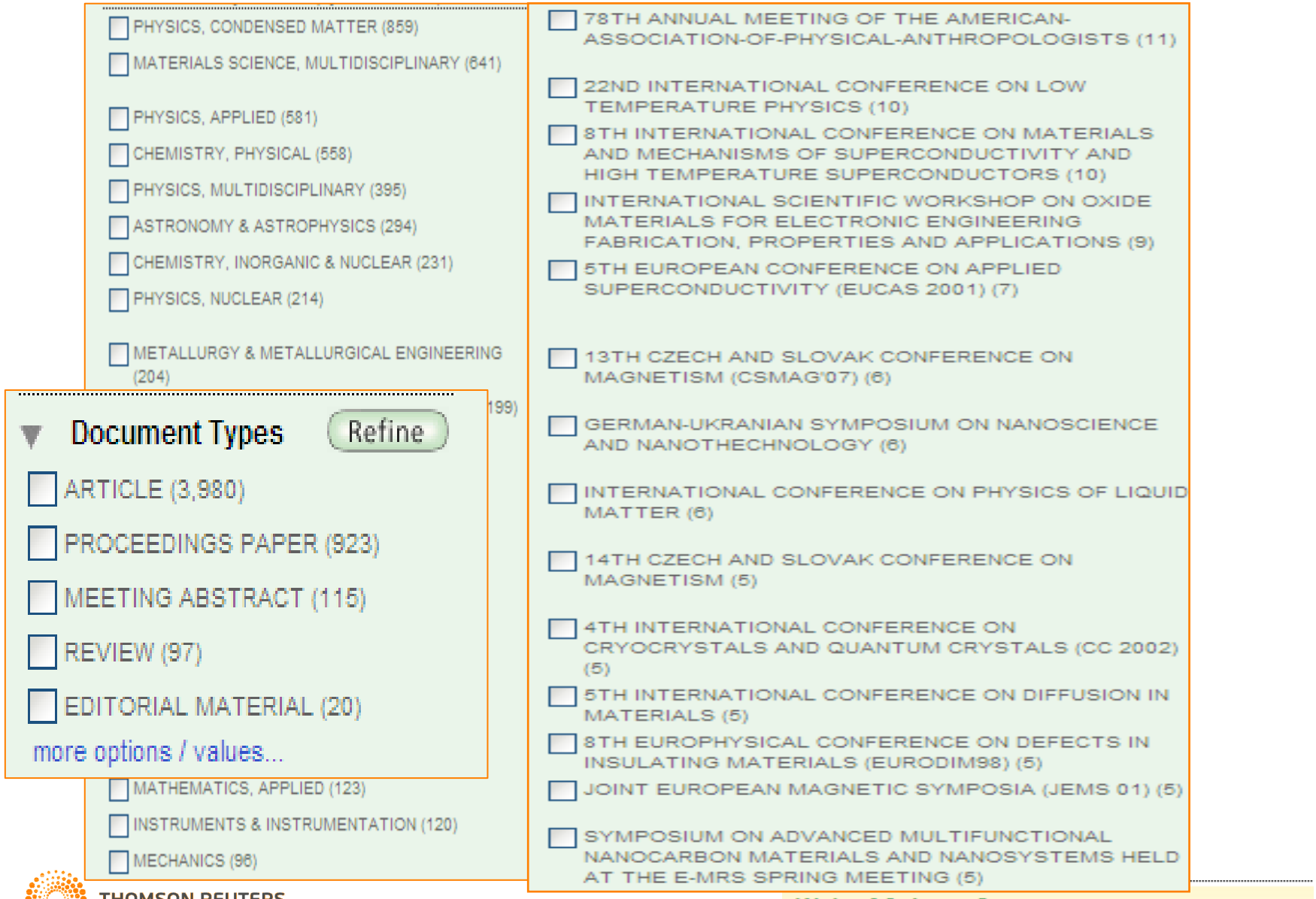

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Основные Области Украинской Науки

Fiel	Field	Citations per paper	Citations Per Paper
PHYSICS	PHYSICS	8.44	4.30
CHEMISTRY	CHEMISTRY	10.66	4.18
MATERIALS SCIENCE	MATERIALS SCIENCE	6.76	2.03
ENGINEERING	ENGINEERING	4.56	3.09
SPACE SCIENCE	SPACE SCIENCE	13.92	8.31
BIOLOGY & BIOCHEMISTRY	BIOLOGY & BIOCHEMISTRY	16.10	9.44
CLINICAL MEDICINE	CLINICAL MEDICINE	12.22	9.05
MATHEMATICS	MATHEMATICS	3.26	1.85
GEOSCIENCES	GEOSCIENCES	9.12	4.21
PLANT & ANIMAL SCIENCE	PLANT & ANIMAL SCIENCE	7.25	4.24
MOLECULAR BIOLOGY & GENETICS	MOLECULAR BIOLOGY & GENETICS	23.79	5.20
ENVIRONMENT/ECOLOGY	278	1,801	6.48
NEUROSCIENCE & BEHAVIOR	377	1,715	4.55
MICROBIOLOGY	195	1,161	5.95

Наиболее цитируемые статьи

1. Title: Temsirolimus, interferon alfa, or both for advanced renal-cell carcinoma
Author(s): Hudes G, Carducci M, Tomczak P, et al.
Source: NEW ENGLAND JOURNAL OF MEDICINE Volume: 356 Issue: 22 Pages: 2271-2281 Published: MAY 31 2007
Times Cited: 827
Full Text

2. Title: The Belle detector
Author(s): Abashian A, Abe K, Abe R, et al.
Source: NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 479 Issue: 1 Pages: 117-232 Published: FEB 21 2002
Times Cited: 642
Full Text

3. Title: G(Ep)/G(Mp) ratio by polarization transfer in (e)over-right-arrowp -> e(p)over-right-arrow
Author(s): Jones MK, Aniol KA, Baker FT, et al.
Source: PHYSICAL REVIEW LETTERS Volume: 84 Issue: 7 Pages: 1398-1402 Published: FEB 14 2000
Times Cited: 526
Full Text

4. Title: Guidelines for the use and interpretation of assays for monitoring autophagy in higher eukaryotes
Author(s): Klionsky DJ, Abeliovich H, Agostinis P, et al.
Source: AUTOPHAGY Volume: 4 Issue: 2 Pages: 151-175 Published: FEB 16 2008
Times Cited: 456
Order Full Text

5. Title: Unconventional integer quantum Hall effect in graphene
Author(s): Gusynin VP, Sharapov SG
Source: PHYSICAL REVIEW LETTERS Volume: 95 Issue: 14 Article Number: 146801 Published: SEP 30 2005
Times Cited: 438
Full Text

6. Title: Measurement of G(Ep)/G(Mp) in (e)over-right-arrowp -> e(p)over-right-arrow to Q(2)=5.6 GeV2
Author(s): Gayou O, Aniol KA, Averett T, et al.
Source: PHYSICAL REVIEW LETTERS Volume: 88 Issue: 9 Article Number: 092301 Published: MAR 4 2002
Times Cited: 415
Full Text

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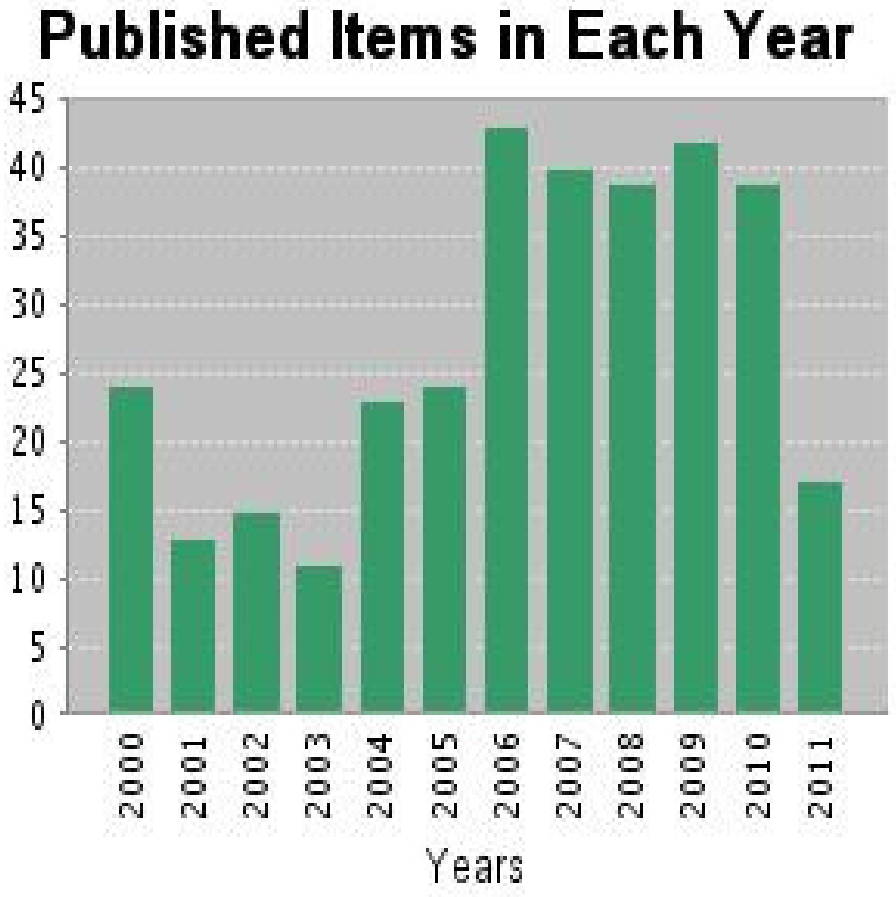
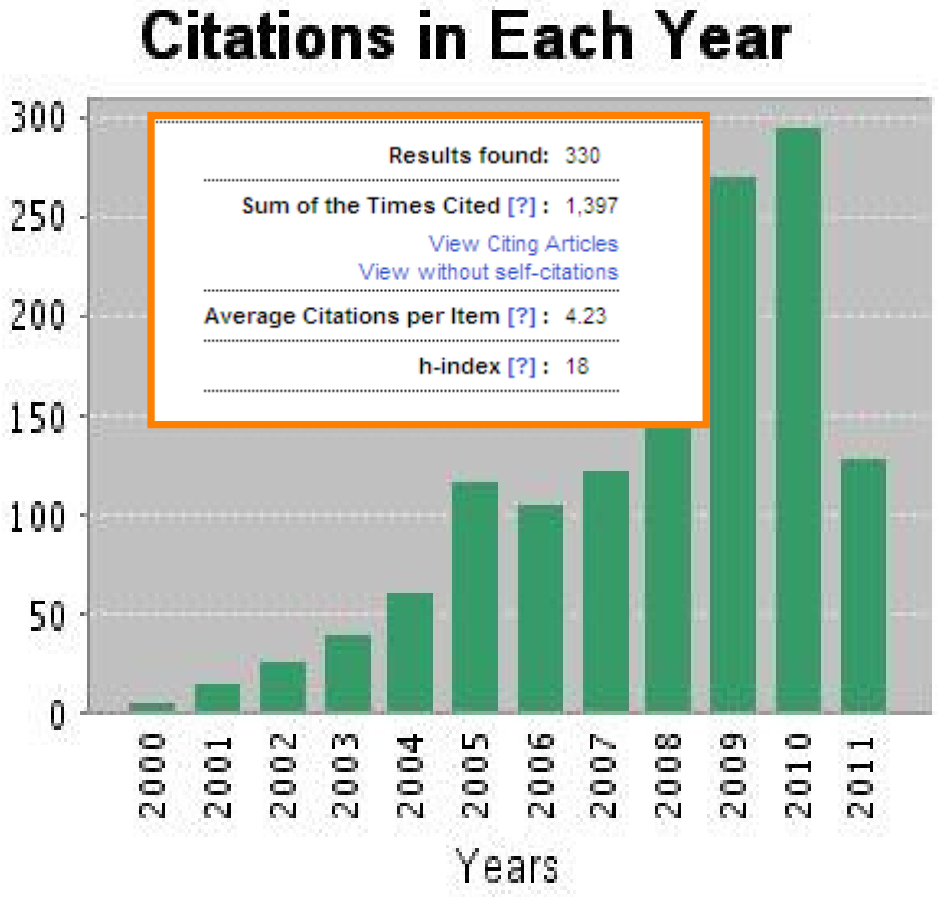
Доклад о Публикациях и цитированиях





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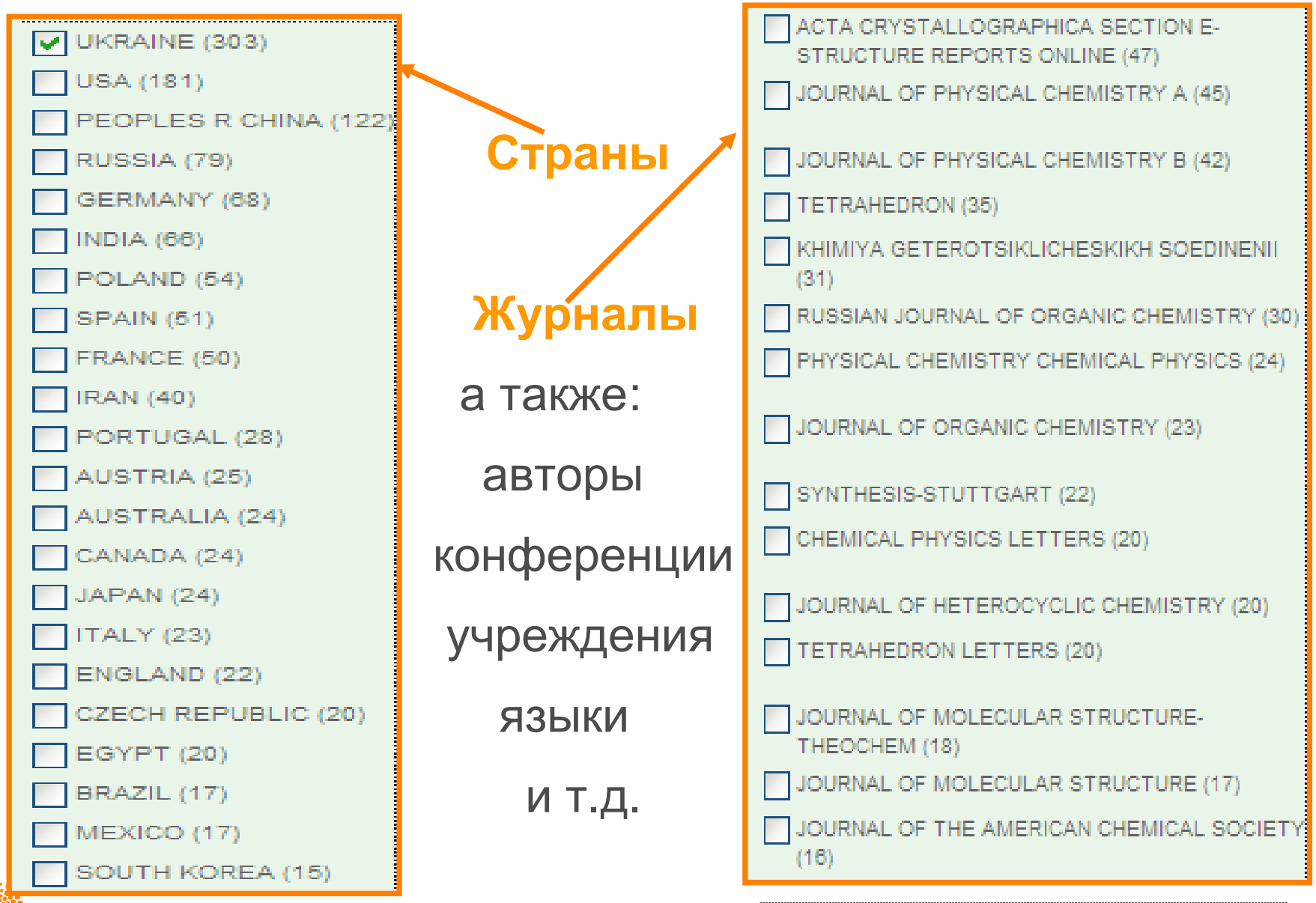

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Несколько слов об InCites

Для чего мы сделали инструмент InCites?

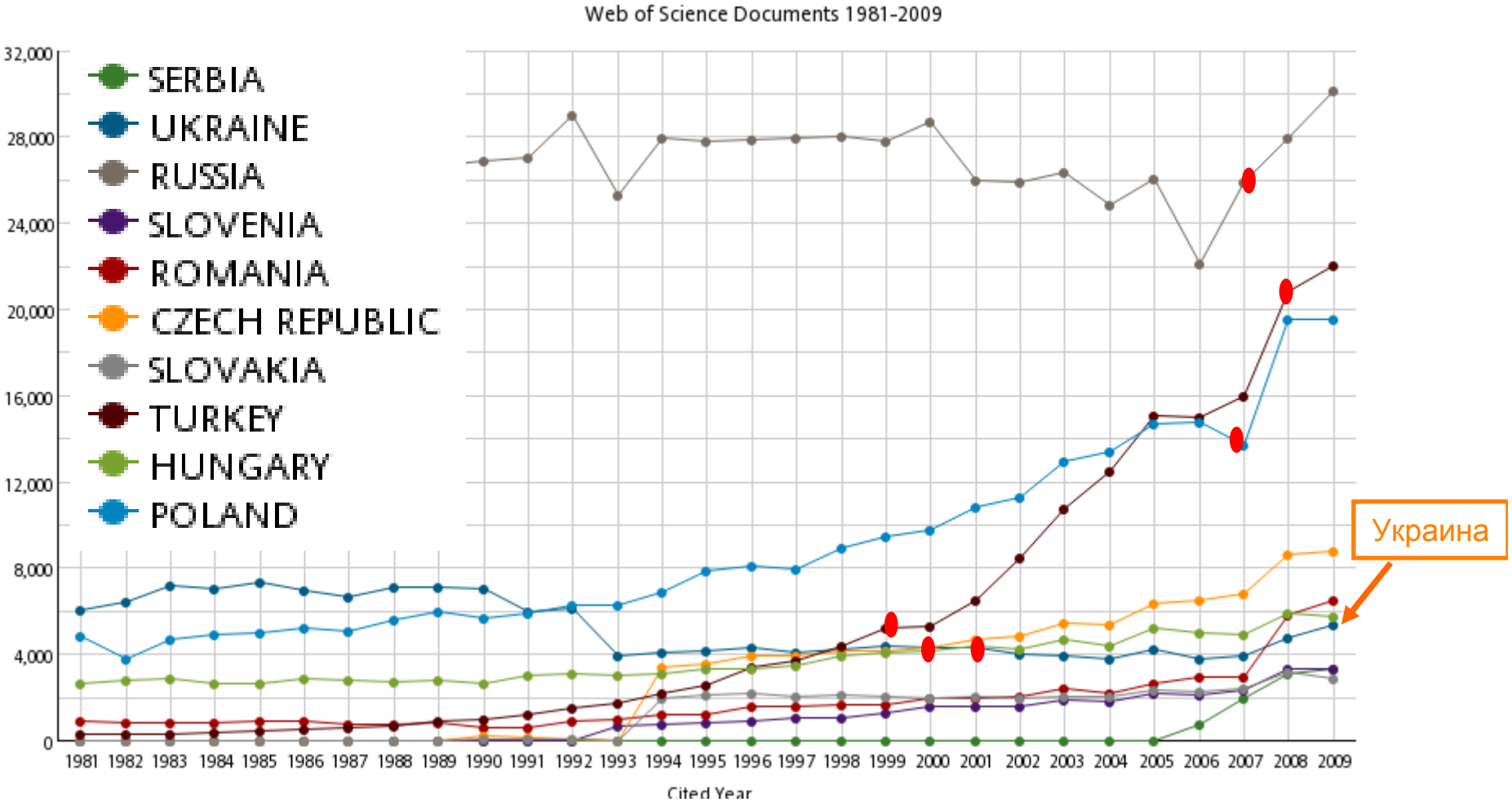
- Web of Science – база в первую очередь для тематического информирования учёных. Она идеально подходит для поиска наиболее цитируемых работ по интересующей проблеме, оценки журналов и потенциальных научных связей;
- Поскольку в Web of Science используется для поиска информации, работа с базой невозможна без введения поискового запроса. Который может быть достаточно комплексным;
- Для научного руководства предпочтителен специальный инструмент, предоставляющий необходимые данные без существенных затрат времени и сложных поисков;
- Потребность в неком эталоне для сравнения показателей учёных и организаций

InCites – 2 части

- **Global Comparisons**
  - Оценка научной деятельности страны по сравнению с остальным миром
  - Сопоставление показателей в разбивке по странам и/или предметным областям

- **Research Performance Profiles**
  - Сравнение между факультетами или лабораториями внутри института
  - Анализ по статьям, автору, отделу. Анализ совместных исследовательских проектов

Научная производительность в нашем регионе (1981-2009)



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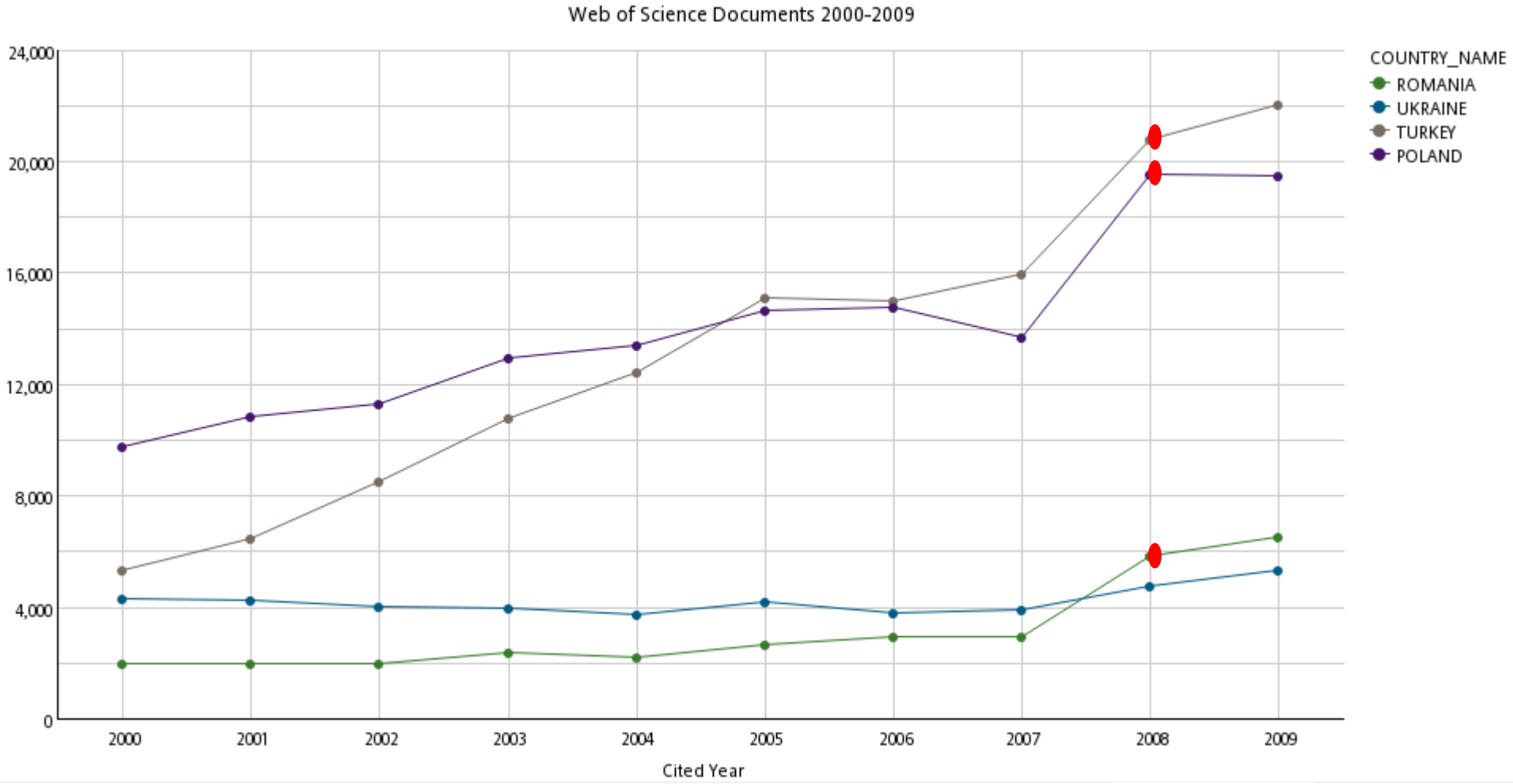
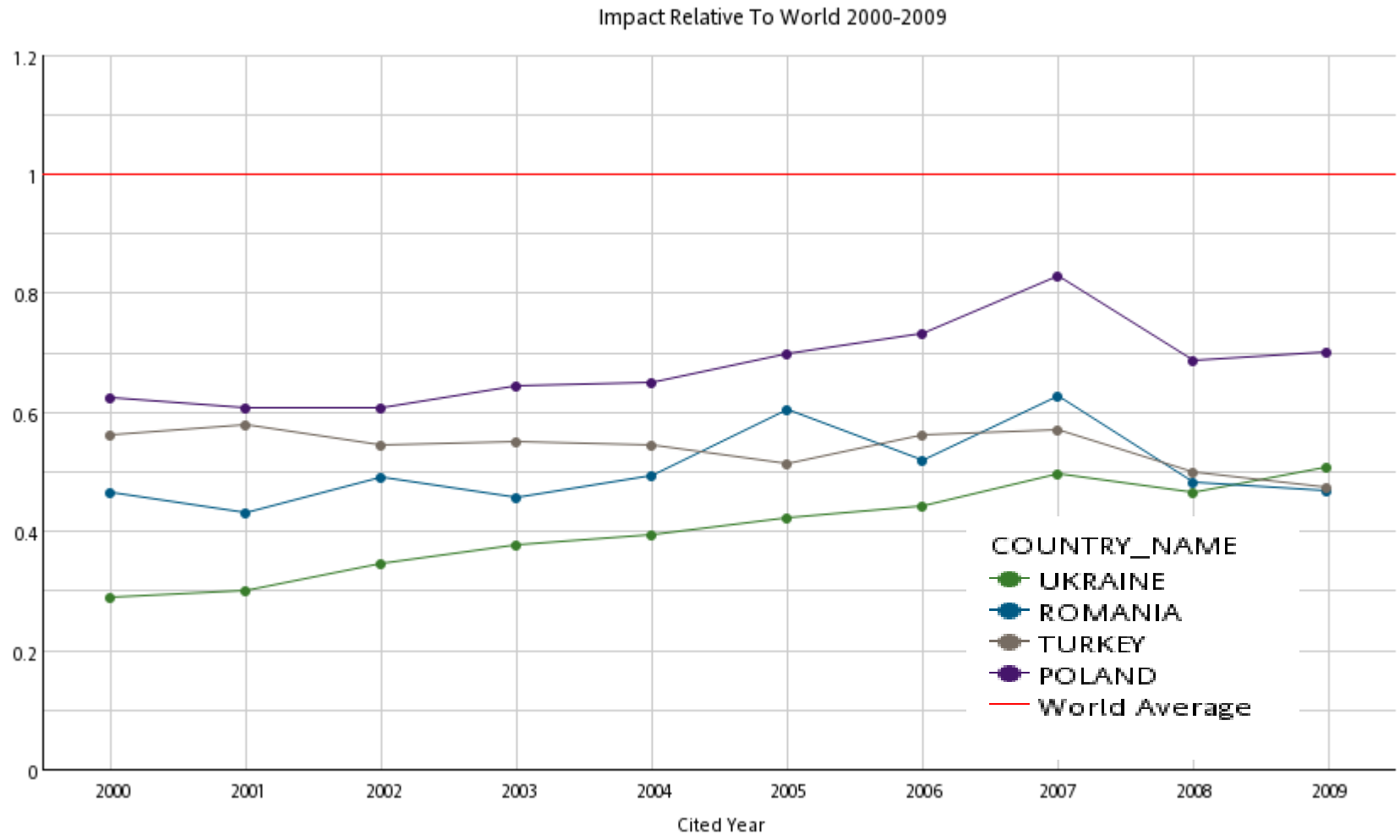
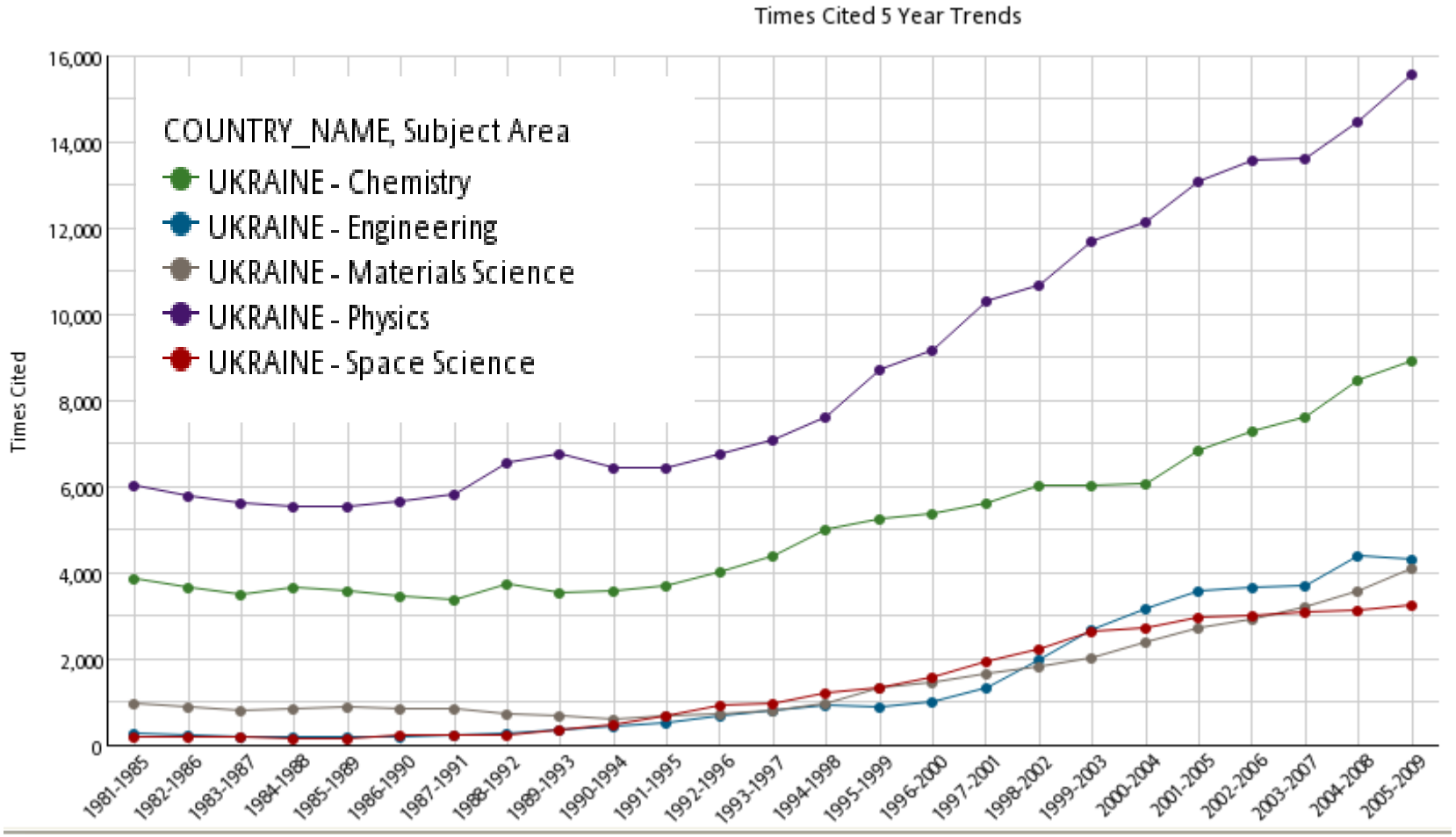
Научная производительность в нашем регионе: Польша, Украина, Турция, Румыния (2000-2009)



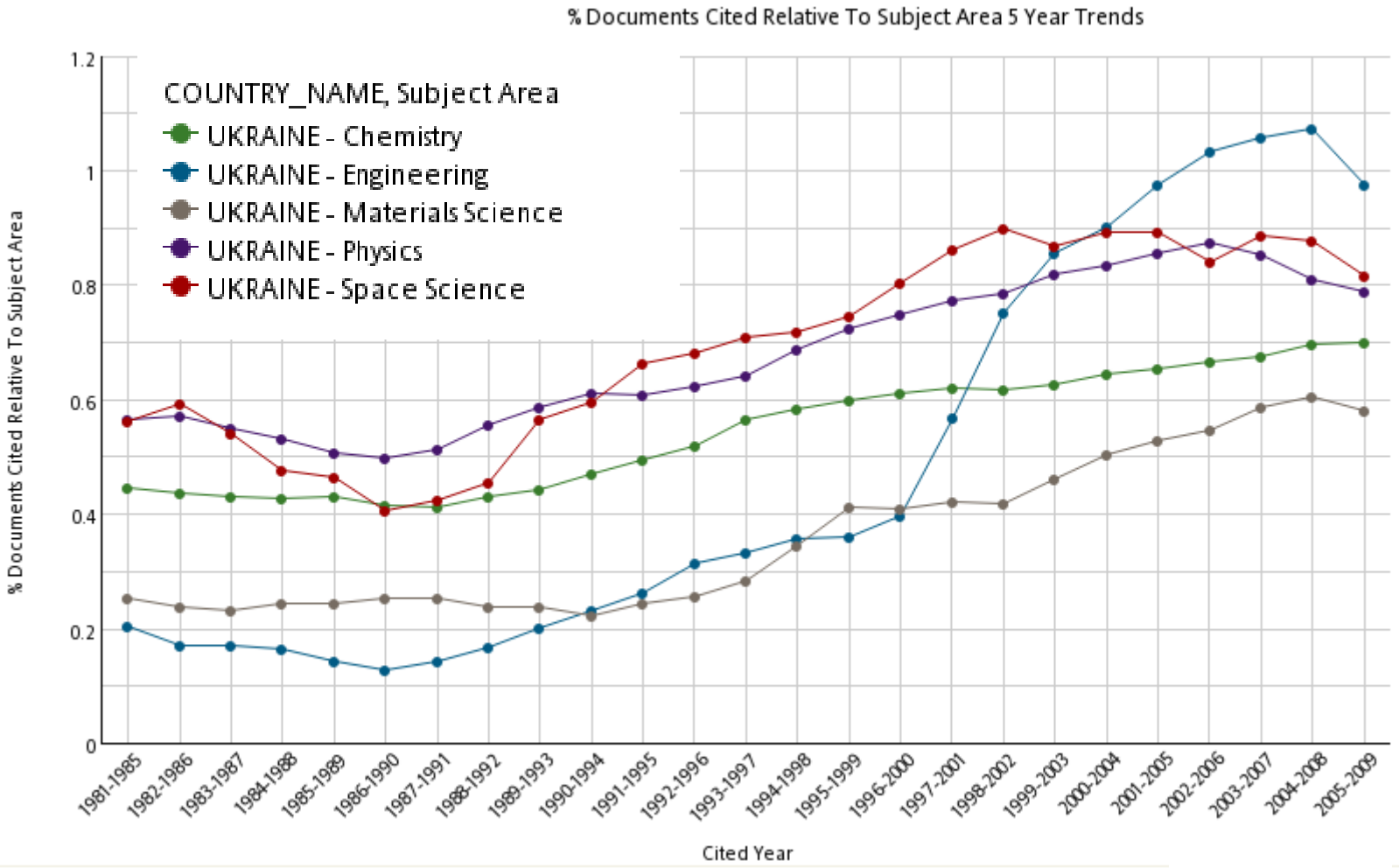
Сравнение влияния Польши, Украины, Турции, Румынии (2000-2009)



Цитирования k Основным Областям Украинской Науки



Сравнение с мировыми средними



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InCites – 2 части

- **Global Comparisons**
  - Оценка научной деятельности страны по сравнению с остальным миром
  - Сопоставление показателей в разбивке по странам и/или предметным областям

- **Research Performance Profiles**
  - Сравнение между факультетами или лабораториями внутри института
  - Анализ по статьям, автору, отделу. Анализ совместных исследовательских проектов

Абсолютные и относительные показатели

- Если генетики получили в сумме 5000 ссылок – как обстоят дела с генетикой в институте?

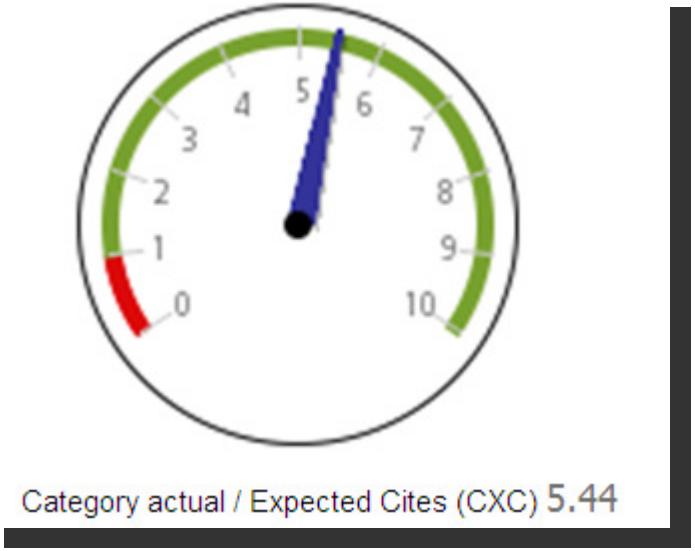
Или

- Если статья была процитирована 20 раз – это хорошая статья?

Fields	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	All Years
All Fields	18.50	17.38	16.08	14.29	12.62	10.32	7.73	5.44	2.78	0.73	0.11	9.99
Agricultural Sciences	12.98	11.90	11.06	10.23	8.96	7.11	5.46	3.59	1.61	0.38	0.05	6.42
Biology & Biochemistry	29.72	27.41	24.95	22.28	19.21	15.31	11.30	7.89	4.15	1.09	0.06	16.09
Chemistry	17.60	16.22	15.96	14.31	12.94	10.98	8.38	6.02	3.37	0.93	0.03	10.26
Clinical Medicine	21.59	20.54	19.35	17.63	15.62	13.01	9.70	6.71	3.28	0.81	0.08	12.02
Computer Science	6.61	6.98	7.13	4.70	3.44	2.87	1.89	2.18	1.11	0.28	0.03	3.32
Economics & Business	10.97	9.89	9.91	8.57	7.36	5.65	3.91	2.52	1.11	0.30	0.09	5.44

Нормализованные показатели цитирования

- Суммарный объём цитирования по отношению к среднему цитированию в предметной области **(Category actual/Expected Cites, CXC)** – позволяет сравнивать статьи, учёных и организации, работающие в разных предметных областях

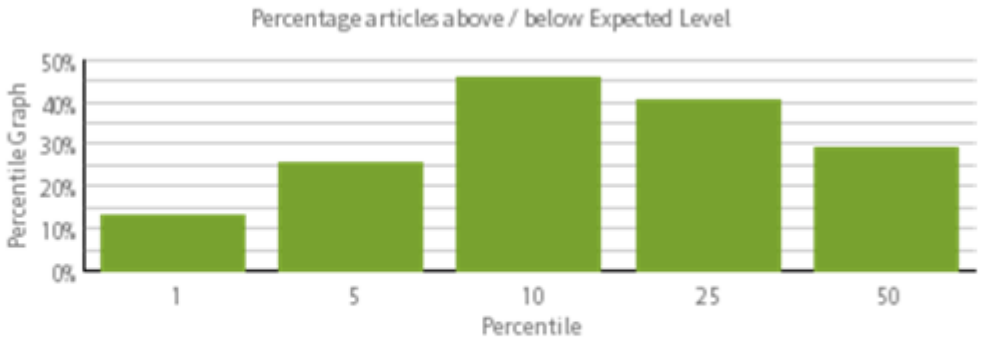


Нормализованные показатели цитирования

- Суммарный объём цитирования по отношению к среднему цитированию в журнале **(Journal actual/ Expected Cites, JXC)** – позволяет оценивать, насколько эффективен автор (или группа авторов) по отношению к журналам, в которых он публикуется

Нормализованные показатели цитирования

Mean Percentile 23.24



Percentile	1	5	10	25	50
Number of articles	6	13	24	28	34
Percent of articles	13.95%	30.23%	55.81%	65.12%	79.07%

- Перцентили **(Mean Percentile; Percentage above/below Expected level)** – в какой процент самых цитируемых работ в мире (по предметной области!) входит работа или группа работ?

Каков наш вклад в науку?

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Source Articles Listing

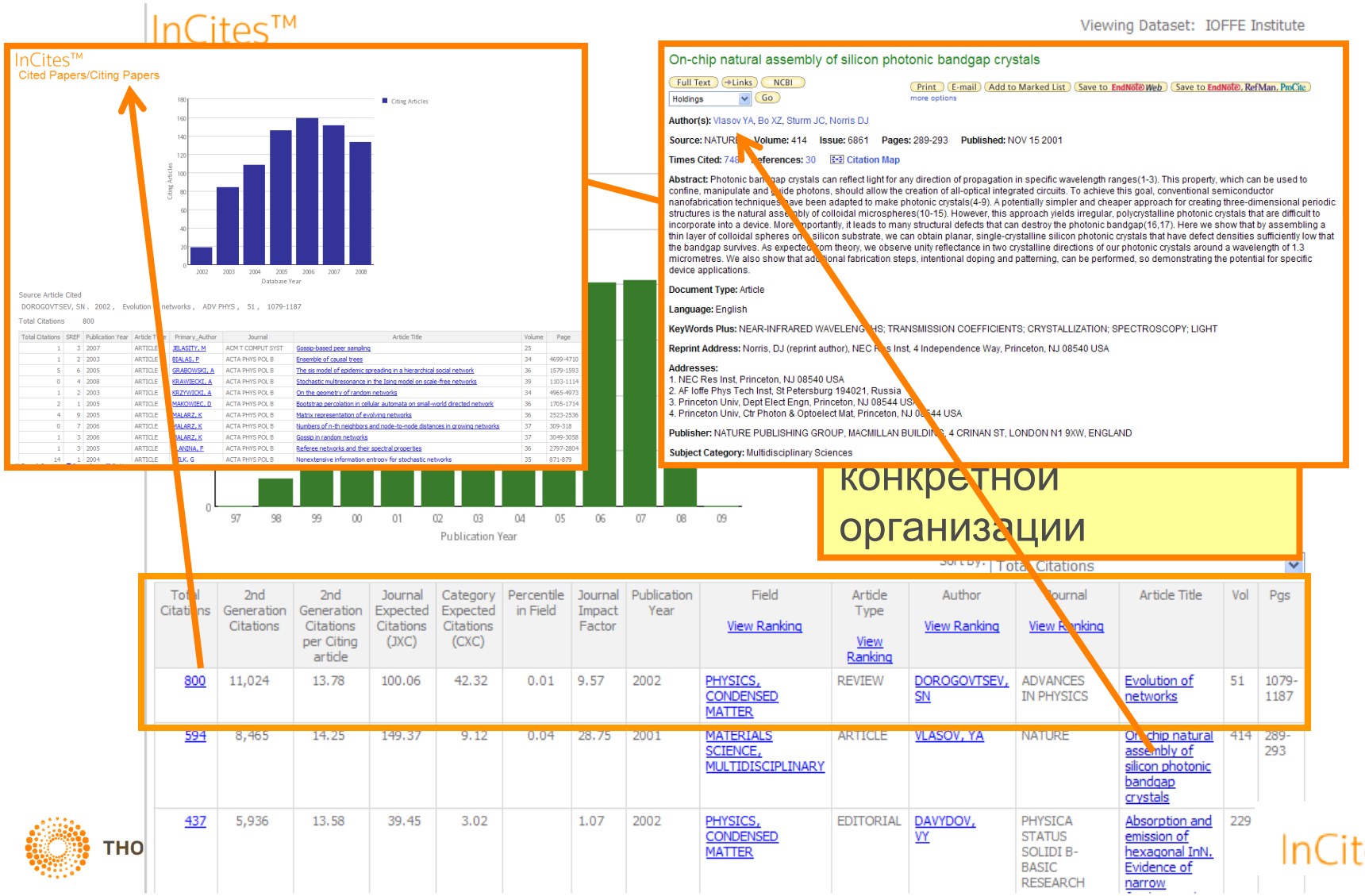
Number of Source Articles 8,675

Заранее согласованный набор данных, например, по конкретной организации

Sort By: | Total Citations

Total Citations	2nd Generation Citations	2nd Generation Citations per Citing article	Journal Expected Citations (JXC)	Category Expected Citations (CXC)	Percentile in Field	Journal Impact Factor	Publication Year	Field View Ranking	Article Type View Ranking	Author View Ranking	Journal View Ranking	Article Title	Vol	Pgs
800	11,024	13.78	100.06	42.32	0.01	9.57	2002	PHYSICS, CONDENSED MATTER	REVIEW	DOROGOVTSEV, SN	ADVANCES IN PHYSICS	Evolution of networks	51	1079-1187
594	8,465	14.25	149.37	9.12	0.04	28.75	2001	MATERIALS SCIENCE, MULTIDISCIPLINARY	ARTICLE	VLASOV, YA	NATURE	On-chip natural assembly of silicon photonic bandgap crystals	414	289-293
437	5,936	13.58	39.45	3.02		1.07	2002	PHYSICS, CONDENSED MATTER	EDITORIAL	DAVYDOV, VY	PHYSICA STATUS SOLIDI B-BASIC RESEARCH	Absorption and emission of hexagonal InN. Evidence of narrow	229	

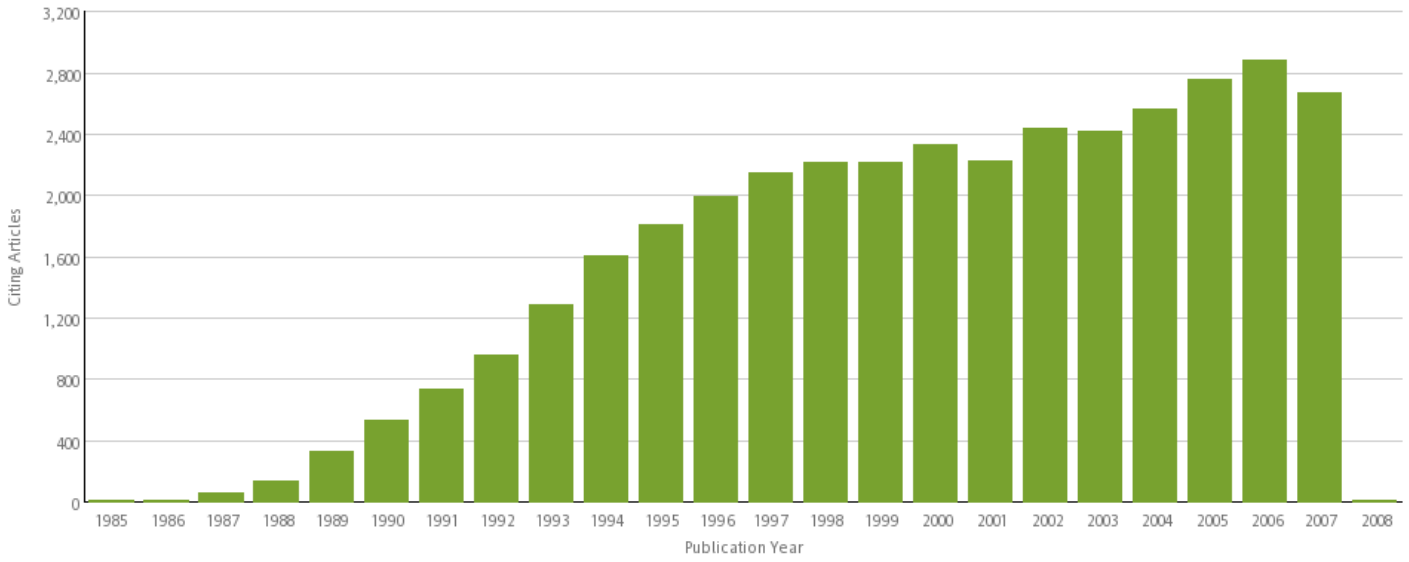
Каков наш вклад в науку?



Список «цитирующих» статей

Citing Articles Listing

Number of Citing Articles 36,368



Sort By: Total Citations

Total Citations	References to Source Articles (sRefs)	Publication Year	Article Type View Ranking	Author View Ranking	Journal View Ranking	Article Title	Volume	Page
3,078	2	1998	ARTICLE	HALL, A	SCIENCE	Rho GTPases and the actin cytoskeleton	279	509-514
2,927	1	1995	REVIEW	MARSHALL, CJ	CELL	SPECIFICITY OF RECEPTOR TYROSINE KINASE SIGNALING - TRANSIENT VERSUS SUSTAINED EXTRACELLULAR SIGNAL-REGULATED KINASE ACTIVATION	80	179-185
2,704	1	1993	REVIEW	GOTTESMAN, MM	ANNUAL REVIEW OF BIOCHEMISTRY	BIOCHEMISTRY OF MULTIDRUG-RESISTANCE MEDIATED BY THE MULTIDRUG TRANSPORTER	62	385-427
2,504	1	1993	REVIEW	VARKI, A	GLYCOBIOLOGY	BIOLOGICAL ROLES OF OLIGOSACCHARIDES - ALL OF THE THEORIES ARE CORRECT	3	97-130
2,264	1	1993	ARTICLE	HOLM, L	JOURNAL OF MOLECULAR BIOLOGY	PROTEIN-STRUCTURE COMPARISON BY ALIGNMENT OF DISTANCE MATRICES	233	123-1

Кто является самым «продуктивным» автором?

InCites™

Viewing Dataset: IOFFE Institute

Author Ranking (source articles)

Rank determined by total citations

Sort By: Total Articles

Rank	Author	Total Citations	Total Articles	Avg Cites per Article	h-index	Journal actual / Expected Cites (JXC)	Category actual / Expected Cites (CXC)	Mean Percentile
1	[redacted]	3,07	337	9.12	28	1.63	1.13	52.64
2	[redacted]	2,75	241	11.43	28	1.77	1.37	46.30
9	[redacted]	1,76	193	9.17	15	1.37	1.26	61.46
4	[redacted]	2,26	185	12.23	25	1.89	1.47	48.58
3	[redacted]	2,46	159	15.51	28	1.96	1.83	39.12
10	[redacted]	1,52	157	9.73	21	1.37	1.11	55.24
117	[redacted]	30	150	2.05	6	0.70	0.29	75.75
7	[redacted]	2,11	143	14.77	24	2.33	1.85	39.90
5	[redacted]	2,23	134	16.66	25	1.55	1.60	40.82
58	[redacted]	49	123	4.02	10	1.30	0.52	67.50
68	[redacted]	46	109	4.29	10	0.59	0.59	61.95
138	[redacted]	27	104	2.62	6	0.65	0.31	67.58
47	[redacted]	55	103	5.36	13	0.69	0.61	63.15
15	[redacted]	1,09	100	10.99	18	1.71	1.27	48.67
173	[redacted]	22	99	2.26	6	0.90	0.29	79.78
178	[redacted]	21	96	2.25	7	0.85	0.30	79.54
73	[redacted]	45	95	4.74	12	1.20	0.76	60.45
11	[redacted]	1,40	89	15.81	22	2.34	2.27	40.06
29	[redacted]	71	88	8.10	13	0.79	1.12	49.80
151	[redacted]	25	87	2.97	9	0.80		

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Кто из учёных - самый авторитетный?

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Viewing Dataset: IOFFE Institute

Author Ranking (source articles)

Rank determined by total citations

Sort By: Total Citations

Rank	Author	Total Citations	Total Articles	Avg Cites per Article	h-index	Journal actual / Expected Cites (JXC)	Category actual / Expected Cites (CXC)	Mean Percentile
1	[redacted]	3,074	337	9.12	28	1.63	1.13	52.64
2	[redacted]	2,754	241	11.43	28	1.77	1.37	46.30
3	[redacted]	2,466	159	15.51	28	1.96	1.83	39.12
4	[redacted]	2,263	185	12.23	25	1.89	1.47	48.58
5	[redacted]	2,232	134	16.66	25	1.55	1.60	40.82
6	[redacted]SN	2,152	44	48.91	20	3.39	5.44	23.24
7	[redacted]	2,112	143	14.77	24	2.33	1.85	39.90
8	[redacted]	2,079	37	56.19	19	3.78	6.12	21.16
9	[redacted]	1,769	193	9.17	15	1.37	1.26	61.46
10	[redacted]	1,527	157	9.73	21	1.37	1.11	55.24
11	[redacted]	1,407	89	15.81	22	2.34	2.27	40.06
12	[redacted]	1,311	68	19.28	15	2.90	2.49	48.88
13	[redacted]	1,111	60	18.52	15	2.31	1.80	48.06
14	[redacted]I	1,107	82	13.50	18	2.53	1.94	40.17
15	[redacted]AF	1,099	100	10.99	18	1.71	1.27	48.67
16	[redacted]	1,076	75	14.35	15	3.35	1.96	50.19
17	[redacted]	1,055	78	13.53	10	3.06	1.88	63.50
18	[redacted]	981	77	12.74	16	1.27	1.82	44.68
19	[redacted]	943	63	14.97	15	3.32	2.20	36.16
20	[redacted]	925	76	12.17	14	2.11	1.51	46.75

У кого из учёных самый высокий импакт статей?

InCites™

Author Ranking (source articles)

Rank determined by total citations

Sort By: Avg Cites per Article

Rank	Author	Total Citations	Total Articles	Avg Cites per Article	h-index	Journal actual / Expected Cites (JXC)	Category actual / Expected Cites (CXC)	Mean Percentile
25	[redacted]	735	10	73.50	6	6.10	9.22	30.03
24	[redacted]	757	11	68.82	8	5.67	8.51	26.63
8	[redacted]	2,079	37	56.19	19	3.78	6.12	21.16
32	[redacted]	652	12	54.33	10	2.65	6.68	10.96
50	[redacted]	516	10	51.60	6	4.57	5.75	39.06
6	[redacted]	2,152	44	48.91	20	3.39	5.44	23.24
41	[redacted]	576	13	44.31	8	4.92	4.96	36.03
54	[redacted]	499	14	35.64	6	1.53	3.72	42.00
57	[redacted]	484	14	34.57	7	1.58	3.35	47.90
23	[redacted]	827	25	33.08	8	4.82	4.62	51.00
85	[redacted]	360	11	32.73	7	1.00	2.08	41.42
40	[redacted]	581	18	32.28	12	0.96	1.92	31.22
49	[redacted]	528	17	31.06	9	2.43	3.55	37.74
93	[redacted]	339	11	30.82	7	0.99	2.16	44.66
39	[redacted]	594	20	29.70	13	0.93	1.69	36.68
71	[redacted]	430	15	28.67	8	2.07	4.35	27.12
52	[redacted]	507	18	28.17	11	1.89	4.18	24.27
26	[redacted]	730	27	27.04	11	2.16	3.17	42.22
70	[redacted]	449	17	26.41	11	2.02	3.83	17.67
53	[redacted]	500	19	26.32	9	3.15		

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Как можно сравнить «физиков» с «лириками»?

Author Ranking (source articles)

Rank determined by total citations

Sort By: CXC

Rank	Author	Total Citations	Total Articles	Avg Cites per Article	h-index	Journal actual / Expected Cites (JXC)	Category actual / Expected Cites (CXC)	Mean Percentile
25	[redacted]	735	10	73.50	6	6.10	9.22	30.03
24	[redacted]	757	11	68.82	8	5.67	8.51	26.63
32	[redacted]	652	12	54.33	10	2.65	6.68	10.96
8	[redacted]	2,079	37	56.19	19	3.78	6.12	21.16
50	[redacted]	516	10	51.60	6	4.57	5.75	39.06
6	[redacted] N	2,152	44	48.91	20	3.39	5.44	23.24
129	[redacted]	258	10	25.80	7	2.83	5.38	17.20
41	[redacted]	576	13	44.31	8	4.92	4.96	36.03
23	[redacted]	827	25	33.08	8	4.82	4.62	51.00
71	[redacted]	430	15	28.67	8	2.07	4.35	27.12
52	[redacted]	507	18	28.17	11	1.89	4.18	24.27
218	[redacted]	129	10	12.90	6	1.97	3.89	22.51
70	[redacted]	449	17	26.41	11	2.02	3.83	17.67
54	[redacted]	499	14	35.64	6	1.53	3.72	42.00
33	[redacted]	647	26	24.88	10	2.03	3.61	40.97
69	[redacted]	450	18	25.00	10	1.30	3.55	28.82
49	[redacted]	528	17	31.06	9	2.43	3.55	37.74
106	[redacted]	307	19	16.16	7	4.46	3.40	36.09
57	[redacted]	484	14	34.57	7	1.58	3.35	47.90
66	[redacted]	466	23	20.26	3	4.05	3.20	80.89

Анализ самоцитирования

AUTHOR RANKING WITH SELF CITATION ANALYSIS

Sort By: Total Citations

Rank	Author	Total Articles	Total Citations	Self Cites	Total Without Self Citations	% Self Citations	Avg Cites per Article	Average Cites without Self Cites	h-index	h-index without Self Cites
1		337	3,074	654	2,420	21.28	9.12	7.18	28	12
2		241	2,754	624	2,130	22.66	11.43	8.84	28	9
3		159	2,466	608	1,858	24.66	15.51	11.69	28	7
4		185	2,263	357	1,906	15.78	12.23	10.30	25	9
5		134	2,232	250	1,982	11.20	16.66	14.79	25	12
6		44	2,152	110	2,042	5.11	48.91	46.41	20	6
7		143	2,112	321	1,791	15.20	14.77	12.52	24	10
8		37	2,079	110	1,969	5.29	56.19	53.22	19	4
9		193	1,769	315	1,454	17.81	9.17	7.53	15	8
10		157	1,527	127	1,400	8.32	9.73	8.92	21	12
11		89	1,407	162	1,245	11.51	15.81	13.99	22	7
12		68	1,311	82	1,229	6.25	19.28	18.07	15	8
13		60	1,111	62	1,049	5.58	18.52	17.48	15	10
14		82	1,107	137	970	12.38	13.50	11.83	18	6
15		100	1,099	107	992	9.74	10.99	9.92	18	8
16		75	1,076	140	936	13.01	14.35	12.48	15	7
17		78	1,055	54	1,001	5.12	13.53	12.83	10	6
18		77	981	141	840	14.37	12.74	10.91	16	4
19		63	943	109	834	11.56	14.97	13.24	15	5
20		56	925	217	708	23.46	16.52	12.64	18	3

Сравнение двух учёных

Summary Metrics

Citation Metrics

Total citations	1,232
Total articles	60
Cites per article	20.53
h-index	13
Median cites	4
2nd generation cites	18,593
2nd generation cites per citing article	21.87

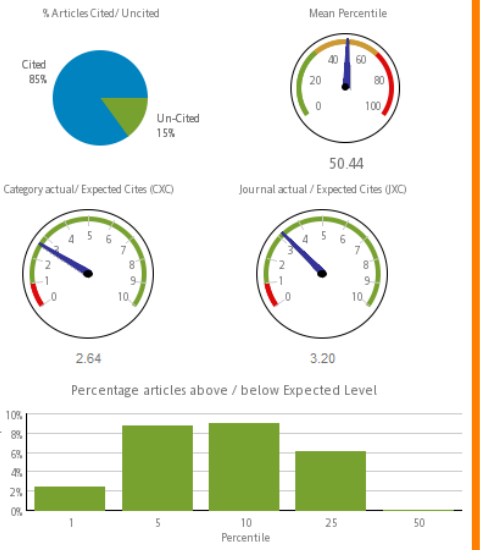
Disciplinarity Metrics

Disciplinarity index	0.38
Interdisciplinarity index	0.28

Collaboration Metrics

Unique Authors	197
Average Authors per article	8.45
Unique Organizations	62
Average Organizations per article	3.13
Average Countries per article	2.23

View Citation Frequency Distribution



Percentile	1	5	10	25	50
Number of articles	2	8	11	18	29
Percent of articles	3.45%	13.79%	18.97%	31.03%	50.00%

Summary Metrics

Citation Metrics

Total citations	136
Total articles	67
Cites per article	2.03
h-index	6
Median cites	1
2nd generation cites	282
2nd generation cites per citing article	3.24

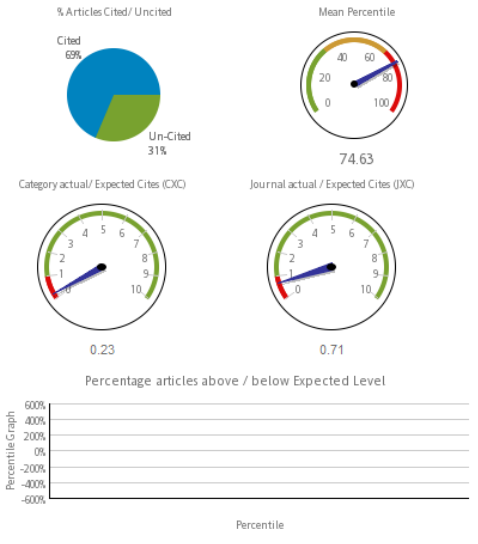
Disciplinarity Metrics

Disciplinarity index	0.40
Interdisciplinarity index	0.28

Collaboration Metrics

Unique Authors	108
Average Authors per article	4.15
Unique Organizations	39
Average Organizations per article	1.75
Average Countries per article	1.40

View Citation Frequency Distribution



Percentile	1	5	10	25	50
Number of articles	0	0	1	2	13
Percent of articles	0.00%	0.00%	1.49%	2.99%	19.40%

Нормализованные показатели цитирования – разбивка по предметным областям

FIELD SPECIALIZATION ANALYSIS

Sort By: Category Actual/Expected Cites (CXC)

Rank	Field	Total Citations	Total Articles	Avg Cites per Article	h-index	Journal Actual/Expected Cites (JXC)	Category Actual/Expected Cites (CXC)	Mean Percentile
1	PHYSICS, MATHEMATICAL	1,348	103	13.09	19	1.79	1.85	47.00
2	CRYSTALLOGRAPHY	1,072	157	6.83	16	1.09	1.19	49.70
2	PHYSICS, FLUIDS & PLASMAS	2,138	248	8.62	22	1.27	1.19	48.94
3	ENGINEERING, ELECTRICAL & ELECTRONIC	3,068	420	7.30	25	1.45	1.15	47.92
4	PHYSICS, PARTICLES & FIELDS	1,143	152	7.52	18	1.45	1.11	49.68
5	ASTRONOMY & ASTROPHYSICS	4,218	388	10.87	30	0.96	0.93	50.78
6	INSTRUMENTS & INSTRUMENTATION	962	197	4.88	15	1.32	0.90	57.14
7	NUCLEAR SCIENCE & TECHNOLOGY	973	193	5.04	15	1.45	0.87	57.11
8	PHYSICS, ATOMIC, MOLECULAR & CHEMICAL	1,437	224	6.42	19	0.75	0.83	55.17
8	PHYSICS, NUCLEAR	890	159	5.60	14	0.86	0.83	44.56
9	OPTICS	2,447	439	5.57	19	0.95	0.81	58.66
10	SPECTROSCOPY	897	179	5.01	14	1.47	0.78	61.87
11	PHYSICS, MULTIDISCIPLINARY	5,080	671	7.57	33	0.83	0.72	60.58
12	PHYSICS, CONDENSED MATTER	19,346	3,922	4.93	45	1.10	0.67	64.50
13	PHYSICS, APPLIED	9,191	2,111	4.35	34	0.88	0.62	66.07
14	CHEMISTRY, PHYSICAL	1,422	273	5.21	19	0.65	0.59	62.15
15	MATERIALS SCIENCE, MULTIDISCIPLINARY	4,645	1,145	4.06	23	0.80	0.55	66.42
16	NANOSCIENCE & NANOTECHNOLOGY	648	239	2.71	9	0.50	0.43	67.47
17	POLYMER SCIENCE	526	152	3.46	11	0.68	0.42	72.32

Report Limited To
No. of Articles 100

Инструменты визуализации данных – физика плазмы

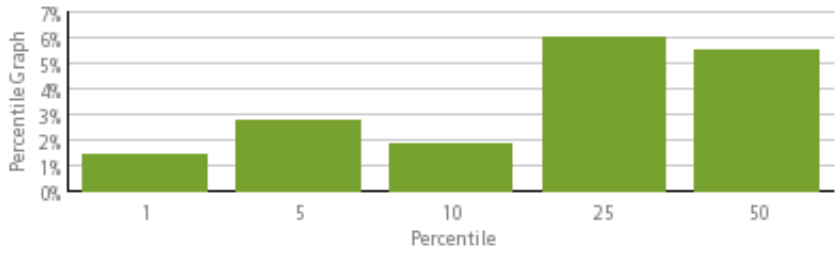
% Articles Cited/ Uncited

Mean Percentile 48.94

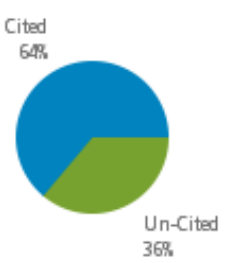
Category actual / Expected Cites (CXC) 1.19

Journal actual / Expected Cites (JXC) 1.27

Percentage articles above / below Expected Level



Percentile	1	5	10	25	50
Number of articles	6	19	29	76	136
Percent of articles	2.45%	7.76%	11.84%	31.02%	55.51%



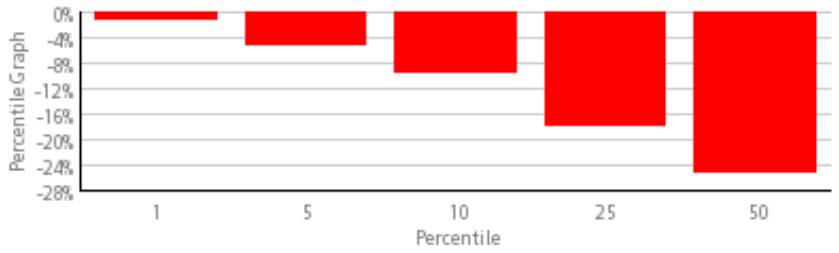
% Articles Cited/ Uncited

Mean Percentile 72.32

Category actual / Expected Cites (CXC) 0.42

Journal actual / Expected Cites (JXC) 0.68

Percentage articles above / below Expected Level



Percentile	1	5	10	25	50
Number of articles	0	0	1	11	
Percent of articles	0.00%	0.00%	0.66%	7.24%	

InCites™

С кем мы сотрудничаем?

InCites™

Institution Ranking (source articles)

Viewing Dataset: IOFFE Institute

Rank determined by total citations

Sort By: Total Citations

Rank	Institution	Total Citations	Total Articles	Avg Cites per Article	h-index	Journal actual / Expected Cites (JXC)	Category actual / Expected Cites (CXC)	Mean Percentile
1	RUSSIAN ACAD SCI	21,280	5,270	4.04	43	1.00	0.54	68.47
2	AF IOFFE PHYS TECH INST	20,844	2,637	7.90	49	1.01	1.03	54.48
3	TECH UNIV BERLIN	3,015	204	14.78	29	1.92	1.80	44.32
4	RAS	3,010	490	6.14	22	0.91	0.91	62.43
5	AF IOFFE PHYSICOTECH INST	2,785	218	12.78	28	1.11	1.17	49.11
6	UNIV PORTO	2,041	28	72.89	19	3.80	6.16	18.83
7	UNIV CALIF BERKELEY	1,260	57	22.11	19	1.33	2.06	40.61
8	UNIV DORTMUND	1,195	72	16.60	16	1.36	2.51	38.49
9	UNIV KARLSRUHE	1,101	88	12.51	17	1.49	1.52	44.20
10	NASA	1,040	51	20.39	20	1.04	1.61	32.43
11	USN	1,025	32	32.03	15	2.20	4.36	26.64
12	ST PETERSBURG STATE UNIV	1,003	240	4.18	14	0.97	0.60	65.42
13	UNIV REGENSBURG	910	66	13.79	16	1.16	1.66	47.37
14	NEC RES INST	876	7	125.14	6	3.30	13.63	15.35
15	ST PETERSBURG STATE TECH UNIV	869	245	3.55	14	0.88	0.36	71.39
16	UNIV WURZBURG	807	106	7.61	13	0.73	0.93	51.00
17	UNIV JENA	795	15	53.00	9	5.94	6.10	37.86
18	UNIV GLASGOW	768	51	15.06	16	1.72	1.96	39.74
19	UNIV HANNOVER	767	12	63.92	8	5.29	7.71	28.41
20	PRINCETON UNIV	765	16	47.81	8	2.11	4.07	24.10

Какие из этих совместных проектов были наиболее успешными?

Institution Ranking (source articles)

Rank determined by total citations

Sort By: Mean Percentile

Rank	Institution	Total Citations	Total Articles	Avg Cites per Article	h-index	Journal actual / Expected Cites (JXC)	Category actual / Expected Cites (CXC)	Mean Percentile
6	UNIV PORTO	2,041	28	72.89	19	3.80	6.1	18.83
64	TEL AVIV UNIV	331	14	23.64	6	3.58	4.4	20.13
134	GEN ATOM CO	132	11	12.00	6	0.91	0.9	20.46
125	UNIV BRISTOL	146	10	14.60	6	0.74	1.9	22.48
161	UKAEA EURATOM FUS ASSOC	93	13	7.15	7	0.80	1.1	22.61
19	PRINCETON UNIV	765	16	47.81	8	2.11	4.0	24.10
28	UNIV HAMBURG	597	27	22.11	12	3.32	3.4	24.33
82	UNIV S CAROLINA	252	19	13.26	8	1.34	1.5	25.44
130	PRINCETON PLASMA PHYS LAB	137	14	9.79	8	0.94	1.3	25.44
112	RUHR UNIV BOCHUM	171	13	13.15	6	1.13	2.5	26.14
11	USN	1,025	32	32.03	15	2.20	4.3	26.64
18	UNIV HANNOVER	767	12	63.92	8	5.29	7.7	28.41
93	CALTECH	213	10	21.30	8	1.04	1.4	28.65
148	RADBOUD UNIV NIJMEGEN	111	13	8.54	5	0.83	2.3	28.71
117	UNIV LEICESTER	160	11	14.55	7	1.32	1.7	28.83
102	SPACE TELESCOPE SCI INST	191	13	14.69	8	1.20	1.3	29.41
49	UNIV PADUA	402	16	25.12	7	3.73	3.9	29.55
101	PHYS TECH BUNDESANSTALT	195	17	11.47	8	1.65	2.7	30.06
70	ECOLE NORMALE SUPER LYON	306	18	17.00	11	1.48	1.7	30.15
58	UNIV LONDON IMPERIAL COLL SCI TECHNOL & MED	354	17	20.82	9	3.30	2.6	30.19

В каких журналах публикуются наши учёные?

Journal Ranking (source articles)

Rank determined by total citations

Rank	Journal	Total Citations	Total Articles	Avg Cites per Article	h-index	Journal actual / Expected Cites (JXC)
1	ASTRONOMY & ASTROPHYSICS	1,332	100	13.32	20	1.02
2	ASTROPHYSICAL JOURNAL	1,077	67	16.07	22	0.80
3	ASTRONOMY LETTERS-A JOURNAL OF ASTRONOMY AND SPACE ASTROPHYS	261	27	9.67	9	2.73
4	ASTRONOMY AND ASTROPHYSICS	256	13	19.69	8	1.01
5	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	224	32	7.00	8	0.56
6	SOLAR PHYSICS	190	20	9.50	8	1.19
7	NATURE	189	3	63.00	3	0.78
8	ANNUAL REVIEW OF ASTRONOMY AND ASTROPHYSICS	135	1	135.00	1	1.72
9	JOURNAL OF GEOPHYSICAL RESEARCH-SPACE PHYSICS	126	10	12.60	5	1.50
10	SPACE SCIENCE REVIEWS	64	13	4.92	4	2.35
11	ASTRONOMY REPORTS	54	23	2.35	5	0.89
12	PHYSICAL REVIEW D	35	11	3.18	4	0.29
13	ASTROPARTICLE PHYSICS	34	1	34.00	1	8.79
14	ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES	31	3	10.33	3	0.38
14	ASTROPHYSICS AND SPACE SCIENCE	31	6	5.17	2	3.56
15	HIGH-ENERGY STUDIES OF SUPERNOVA REMNANTS AND NEUTRON STARS	27	3	9.00	2	2.62
16	ASTRONOMISCHE NACHRICHTEN	22	2	11.00	1	4.09
17	GALACTIC AND ANOMALOUS COSMIC RAYS IN THE HELIOSPHERE	19	3	6.33	2	1.67
18	ANNALES GEOPHYSICAE	16	2	8.00	2	0.78
19	CLASSICAL AND QUANTUM GRAVITY	12	2	6.00	2	1.28

Где публикуются ссылки на наших учёных?

View Overall Reports | **Limit Report Results**

Rank	Journal	Total Citations	Total Articles	Avg Cites per Article
1	PHYSICAL REVIEW B	26,729	2,716	9.84
2	APPLIED PHYSICS LETTERS	22,179	1,854	11.96
5	JOURNAL OF APPLIED PHYSICS	12,029	1,296	9.28
3	PHYSICAL REVIEW LETTERS	19,773	880	22.47
22	SEMICONDUCTORS	1,947	835	2.33
24	PHYSICS OF THE SOLID STATE	1,760	804	2.19
4	ASTROPHYSICAL JOURNAL	14,257	657	21.70
6	PHYSICAL REVIEW E	9,308	656	14.19
54	TECHNICAL PHYSICS LETTERS	669	466	1.44
12	JOURNAL OF PHYSICS-CONDENSED MATTER	3,281	461	7.12
9	ASTRONOMY & ASTROPHYSICS	5,911	445	13.28
15	PHYSICAL REVIEW A	2,700	361	7.48
25	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT	1,553	314	4.95
45	PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES	877	310	2.83
21	SEMICONDUCTOR SCIENCE AND TECHNOLOGY	2,006	261	7.69
78	TECHNICAL PHYSICS	359	250	1.44
14	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2,900	239	12.13
20	PHYSICA STATUS SOLIDI B-BASIC RESEARCH	2,061	216	9.54
28	JOURNAL OF PHYSICS D-APPLIED PHYSICS	1,324	210	6.30
38	PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS	1,021	205	4.98

Кто цитирует институт наш институт в области физики?

Physics of strongly magnetized neutron stars

Full Text | Links | Holdings | Go | Print | E-mail | Add to Marked List | Save to EndNote Web | Save to EndNote, RefMan, ProCite

Author(s): Harding AK (Harding, Alice K.), Lai D (Lai, Dong)

Source: REPORTS ON PROGRESS IN PHYSICS **Volume:** 69 **Issue:** 9 **Pages:** 2631-2708 **Published:** SEP 2006

Times Cited: 99 **References:** 428 Citation Map

Abstract: There has recently been growing evidence for the existence of neutron stars possessing magnetic fields with strengths that exceed the quant field strength of 4.4 x 10(13) G, at which the cyclotron energy equals the electron rest mass. Such evidence has been provided by new discoveries of rad having very high spin-down rates and by observations of bursting gamma-ray sources termed magnetars. This paper will discuss the exotic physics of t field regime, where a new array of processes becomes possible and even dominant and where familiar processes acquire unusual properties. We revi physical processes that are important in neutron star interiors and magnetospheres, including the behaviour of free particles, atoms, molecules, plasm condensed matter in strong magnetic fields, photon propagation in magnetized plasmas, free particle radiative processes, the physics of neutron star i field evolution and decay mechanisms. Application of such processes in astrophysical source models, including rotation-powered pulsars, soft gamma repeaters, anomalous x-ray pulsars and accreting x-ray pulsars will also be discussed. Throughout this review, we will highlight the observational signa high magnetic field processes, as well as the theoretical issues that remain to be understood.

Document Type: Review

Language: English

KeyWords Plus: X-RAY PULSAR; EQUATION-OF-STATE; SOFT GAMMA-REPEATERS; DENSITY-FUNCTIONAL CALCULATIONS; LOW-LUMINOSITY AC CYCLOTRON RESONANT SCATTERING; PHASE-RESOLVED SPECTROSCOPY; RAPIDLY SPINNING PULSARS; BROAD ABSORPTION FEATURE; CR PLATE-TECTONICS

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Citations	Total Articles	Avg Cites per Article
40,136	6,805	5.90
103,539	6,012	17.22
44,539	3,880	11.48
10,496	1,976	5.31
21,321	1,933	11.03
23,616	1,865	12.66
22,584	1,657	13.63
17,187	1,363	12.61
11,972	869	13.78
5,793	810	7.15

11	CALTECH
12	UNIV CAMBRIDGE
13	UNIV TOKYO
14	PRINCETON UNIV
15	LOS ALAMOS NATL LAB
16	MIT
17	USN
18	UNIV CHICAGO
19	STANFORD UNIV
20	UNIV CALIF SAN DIEGO

цитирования?

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Спасибо!

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