

### Bibliometrics at the University of Glasgow

#### William J Nixon Head of Digital Library Services

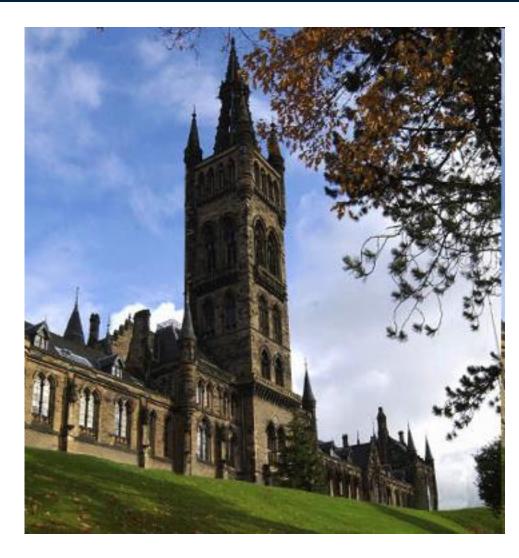
Strategic Management of Research and the Role of Bibliometrics, Prague, October 2014

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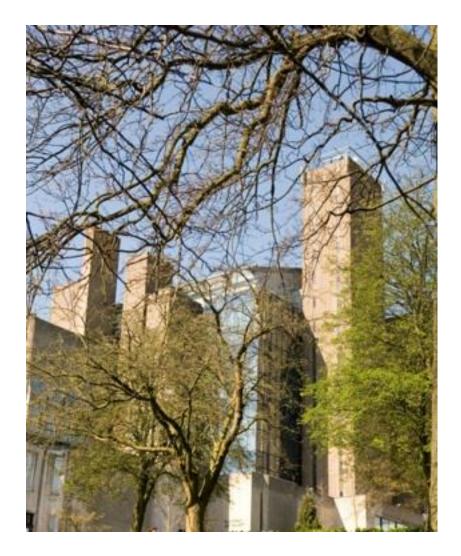
- Founded in 1451
- 2<sup>nd</sup> oldest University in Scotland (4<sup>th</sup> UK)
- 6,000+ Staff
- 2000 Researchers
- 26K Students
- 16K UGs / 6K PGs
- In top 1% of world universities
- 94<sup>th</sup> in THE 2015 Rankings
- In the UK's top 10 earners for research
- Rated 3rd in the UK for international student satisfaction





#### Sources of Citation Data

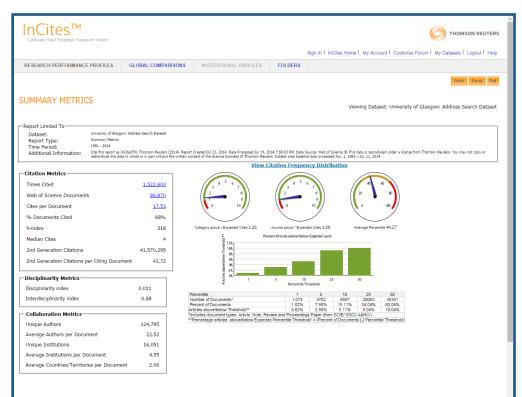
- Web of Science
- InCites
- Journal Citation Reports
- Scopus
- Journal and Country Rankings
- Google Scholar and tools to analyse its data, such as Publish or Perish





#### **Thomson Reuters InCites**

- Citations are normalised by discipline, date and journal
- Provides essential context for raw citation counts
- Identifies areas of strength (and weakness)
- Allows easy benchmarking with other researchers, departments and institutions
- Enables identification of potential collaborators
- Using a mix of old and new InCites





- Research Excellence Framework
- Citation data will be used by 11 panels to inform their decisions
- University carried out an internal 'mini-REF' exercise
- Library supplied citation data from InCites to relevant panels
- Citation data provided essential check in addition to peer review





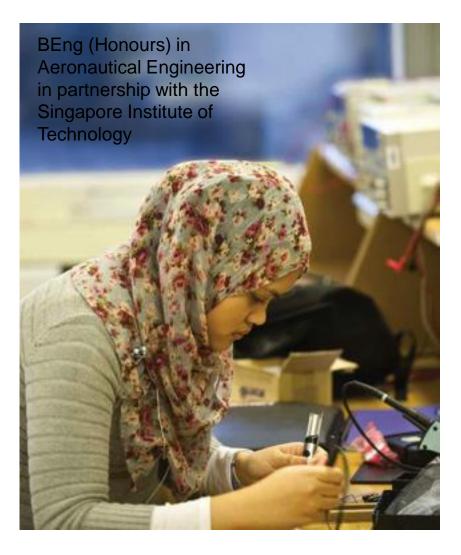
#### Source Articles Listing

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Docum	ents 1 - 20	of 357										Sort By: Times Cited		T
Times Cited	Journal Expected Citations	Category Expected Citations	Journal Actual/Expected Citations	Category Actual/Expected Citations	Percentile in Subject Area	2012 Journal Impact Factor	Publication Year	Subject Area <u>View Ranking</u>	Document Type <u>View Ranking</u>	First Author <u>View</u>	Journal <u>View Ranking</u>	Document Title	Volume	Page
185	46.38	54.69	3.99	3.38	0.13	7.98	2008	OPTICS	REVIEW	Ranking FRANKE- ARNOLD, S et al.	LASER & PHOTONICS REVIEWS	Advances in optical angular momentum	2	299- 313
<u>129</u>	35.43	5.00	3.64	25.80	0.06		2011	OPTICS	ARTICLE	YAO, AM <u>et al.</u>	ADVANCES IN OPTICS AND PHOTONICS	Orbital angular momentum: origins, behavior and applications	3	161- 204
113	37.30	32.77	3.03	3.45	0.26	2.44	2009	<u>OPTICS</u>	REVIEW	DENNIS, MR <u>et al.</u>		Singular Optics: Optical Vortices and Polarization Singularities	53	293- 363
<u>98</u>	122.19	29.33	0.80	3.34	0.09	27.25	2011	<u>OPTICS</u>	REVIEW	PADGETT, M <u>et al.</u>	NATURE PHOTONICS	Tweezers with a twist	5	343- 348
ZQ	16.99	9.15	4.12	7.65	1.05	3.55	2008	OPTICS	ARTICLE	GIBSON, GM <u>et al.</u>	OPTICS EXPRESS	Measuring the accuracy of particle position and force in optical tweezers using high-speed video microscopy	16	14561- 14570
<u>68</u>	16.99	9.15	4.00	7.43	1.13	3.55	2008	<u>OPTICS</u>	ARTICLE	ZAIN, ARM <u>et al.</u>	OPTICS EXPRESS	Ultra high quality factor one dimensional photonic crystal/photonic wire micro-cavities in silicon-on-insulator (SOI)	16	12084- 12089
<u>63</u>	7.57	5.00	8.32	12.60	0.26	3.38	2011	OPTICS	ARTICLE	MA, Y <u>et al.</u>	OPTICS LETTERS	A terahertz polarization insensitive dual band metamaterial absorber	36	945- 947



#### Bibliometrics at Glasgow - Singapore

- University of Glasgow Singapore
- Identified collaborations between Glasgow and Singapore
- Identified the most highly cited Glasgow staff by Singapore researchers





#### Institution Ranking: Singapore

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Rank	Institution	Times Cited		Average Cites per Document		
	NATL UNIV SINGAPORE	5,483				
2	NANYANG TECHNOL UNIV	2,934				
3	AGCY SCI TECHNOL & RES A	STAR 2,361				
4	UNIV SYDNEY	382	2	191.00		
5	QUEEN MARY UNIVERSITY OF	LONDON 309	2	154.50		
6	UNIVERSITY OF SOUTHAMPT	ON 301		100.33		
7	RICE UNIV	293	1	293.00		
7	UNIV STUTTGART	293	-			
	DUKE UNIV	266	-			
	UNIVERSITY OF OXFORD	246	-			
	JOHNS HOPKINS UNIV	244	-			
12	PACIFIC NW NATL LAB	232				
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#### **Research Performance Profiles**

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#### Glasgow Dataset: Authors

Time Period 2008 • to 2014 •	
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You can limit the data to be included in your report to specific items, or use a saved set from My Saved Selections. Your selections will appear in the box on the right.	
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#### Glasgow Dataset: Departments

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# University Glasgow Dataset: CoSE Source Articles

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Times Cited 1 1,287 555	Journal Expected Citations 12.28 114.60	Category Expected Citations 4,09 58.37	Journal Actual/Expected Citations 104.80 4.84	Actual/Expected Citations 314.67 9.51	in Subject Area 0.00	Impact Factor 4.57 13.73	Year 2012 2010 2008	View Ranking PHYSICS, MULTIDISCIPLINARY CHEMISTRY, MULTIDISCIPLINARY INSTRUMENTS &	View Ranking ARTICLE REVIEW	View Ranking AAD, G et al. LONG, DL et al. AAD, G	View Ranking PHYSICS LETTERS B ANGEWANDTE CHEMIE- INTERNATIONAL EDITION JOURNAL OF	Document Title Observation of a new particle in the search for the Standard Model Higgs boson with the ATLAS detector at the LHC Polyosometalates: Building Blocks for Functional Nanoscale Systems The ATLAS Experiment at the CERN Large	716 49	Page 1-29 1736-
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#### Glasgow Dataset: Journal Report

elect a:	
Report Type	Journal Ranking ▼ (which report to choose?)
	Select fields to be included in report:
	Times Cited Journal Actual/Expected Citations
	Web of Science Documents Category Actual/Expected Citations
	Average Cites per Document Average Percentile
	h-index*
	* Selecting these items will increase the processing time



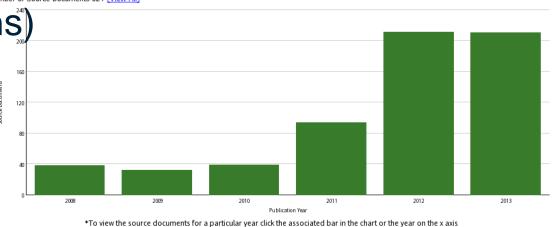
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Departments:	COLLEGE OF SCIENCE & ENGINEERING, COLLEGE OF SCIENCE & ENGINEE						
Additional Information:	Cite this report as InCitesTM, Thomson Reuters (2014). Report Created: 7 0 redistribute this data in whole or in part without the written consent of the 3					n Thomson Reuters. You may not o	copy or
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hk	Journal	Times Cited	Web of Science Documents	Average Cites per Document	Journal Actual/Expected Citations	Category Actual/Expected Citations	Average Percentile
1 PHYSICAL REVIEW LETTERS	5	<u>6,012</u>	222	27.08	1.22	<u>3.41</u>	<u>18.</u>
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2 PHYSICS LETTERS B		<u>4,265</u>	<u>146</u>	29.21	2.64	<u>5.45</u>	16.
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3 PHYSICAL REVIEW D	ERNATIONAL EDITION						31.
3 PHYSICAL REVIEW D 4 ANGEWANDTE CHEMIE-INT		3,275	199	16.46 42.83 35.20	1.41 1.23 1.14	1.79 2.88 2.39	<u>31.</u> 25.
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PHYSICAL REVIEW D     ANGEWANDTE CHEMIE-INT     JOURNAL OF THE AMERICAL     OPTICS EXPRESS     JOURNAL OF INSTRUMENTA     EUROPEAN PHYSICAL JOUR     CLASSICAL AND QUANTUM     SCIENCE     ASTROPHYSICAL JOURNAL	N CHEMICAL SOCIETY ATION INAL C GRAVITY	3,275 2,313 1,549 1,231 1,187 1,135 1,046 997 809	199 54 44 85 26 82 60 22 49	16.46 42.83 35.20 14.48 45.65 13.84 17.43 45.32 45.32 16.51	1.41 1.23 1.14 1.49 0.98 1.69 1.80 0.64 1.23	1.79 2.88 2.39 2.56 4.28 2.11 1.74 4.60 1.81	16. 31. 25. 18. 24. 54. 31. 32. 7. 42.
PHYSICAL REVIEW D     ANGEWANDTE CHEMIE-INT     JOURNAL OF THE AMERICAL     OPTICS EXPRESS     JOURNAL OF INSTRUMENTA     EUROPEAN PHYSICAL JOUR     CLASSICAL AND QUANTUM     SCIENCE     ASTROPHYSICAL JOURNAL     JOURNAL OF HIGH ENERGY	N CHEMICAL SOCIETY ATION INAL C GRAVITY	3,275 2,313 1,549 1,231 1,187 1,187 1,046 997 809 780	199 54 44 85 26 82 60 22 22 49	16.46 42.83 35.20 14.48 45.65 13.84 17.43 45.32 16.51 7.80	1.41 1.23 1.14 1.49 0.98 1.69 1.80 0.64 1.23 1.02	1.79 2.88 2.39 2.56 4.28 2.11 1.74 4.60 1.81 1.35	31. 25. 18. 24. 54. 31. 32. 7. 42. 48.
PHYSICAL REVIEW D     ANGEWANDTE CHEMIE-INT     JOURNAL OF THE AMERICAL     OPTICS EXPRESS     JOURNAL OF INSTRUMENTA     EUROPEAN PHYSICAL JOUR     CLASSICAL AND QUANTUM     SCIENCE     ASTROPHYSICAL JOURNAL     JOURNAL OF HIGH ENERGY	N CHEMICAL SOCIETY ATION NAL C GRAVITY	3,275 2,313 1,549 1,231 1,187 1,185 1,046 997 809 280 280 215	199 54 44 85 26 82 60 22 49 20 49 100 43	16.46 42.83 35.20 14.48 45.65 13.84 17.43 45.32 45.32 16.51	1.41 1.23 1.14 1.49 0.98 1.69 1.80 0.64 1.23 1.02 1.62	1.79 2.88 2.39 2.56 4.28 2.11 1.74 4.60 1.81	31. 25. 18. 24. 54. 31. 32. 7. 42. 48.
<ul> <li>5 JOURNAL OF THE AMERICAL</li> <li>6 OPTICS EXPRESS</li> <li>7 JOURNAL OF INSTRUMENTAL</li> </ul>	N CHEMICAL SOCIETY ATION NAL C GRAVITY 'PHYSICS	3,225 2,313 1,549 1,231 1,182 1,185 1,046 997 809 280 280 280 215 205	199 54 44 85 26 82 60 22 22 49	16.46 42.83 35.20 14.48 45.65 13.84 17.43 45.32 16.51 7.80 16.63 12.84	1.41 1.23 1.14 1.49 0.98 1.69 1.80 0.64 1.23 1.02 1.62 1.62	1.79 2.88 2.39 2.56 4.28 2.11 1.74 4.60 1.81 1.35	31. 25. 18. 24. 54. 31. 32. 7. 42. 42. 48. 28. 37.
3 PHYSICAL REVIEW D     4 ANGEWANDTE CHEMIE-INT     5 JOURNAL OF THE AMERICAL     6 OPTICS EXPRESS     7 JOURNAL OF INSTRUMENTA     8 EUROPEAN PHYSICAL JOUR     9 CLASSICAL AND QUANTUM     0 SCIENCE     1 ASTROPHYSICAL JOURNAL     2 JOURNAL OF HIGH ENERGY     3 PHYSICAL REVIEW C	N CHEMICAL SOCIETY ATION NAL C GRAVITY 'PHYSICS	3,275 2,313 1,549 1,231 1,187 1,185 1,046 997 809 280 280 215	199 54 44 85 26 82 60 22 49 20 49 100 43	16.46 42.83 35.20 14.48 45.65 13.84 17.43 45.32 16.51 7.80 16.63	1.41 1.23 1.14 1.49 0.98 1.69 1.80 0.64 1.23 1.02 1.62	1.79 2.88 2.39 2.56 4.28 2.11 1.74 4.60 1.81 1.35 3.24	31. 25. 18. 24. 54. 31. 32. 7. 42. 42. 48. 28.



### Bibliometrics at Glasgow – Recruitment and International Office

- Identification of publications which Glasgow staff have coauthored with particular countries (and institutions) for Recruitment and International Office
- Ranked data by country including times cited as well as records in WoS





#### Collaborating Countries: China

Person Name or ID =	ø	Name	Rank	Web of Science Documents	Normalized Citation Impact	▼ Times Cited	% Docs Cited
Organization Name     =		SCOTLAND	1	25,833	1.66	234,402	58%
× University of Glasgow		ENGLAND	2	7,203	2.29	106,813	71%
		USA	3	4,312	3.17	90,209	74%
Document Type		GERMANY (FED REP GER)	4	2,783	3.15	68,529	79%
Research Area		ITALY	5	2,326	3.36	56,706	80%
		FRANCE	6	2,070	3.54	51,470	79%
Journal		NETHERLANDS	7	1,826	3.68	50,317	77%
Open Access		CANADA	8	1,806	3.7	46,878	78%
		SPAIN	9	1,769	3.65	45,995	82%
Thresholds		AUSTRALIA	10	1,552	3.68	39,757	73%
Web of Science Documents		SWITZERLAND	11	1,523	3.42	39,537	82%
		SWEDEN	12	1,203	4.53	36,482	75%
Times Cited		JAPAN	13	1,116	3.19	27,508	84%
By Time 🔺		RUSSIA	14	1,174	3.14	27,455	87%
		POLAND	15	934	3.61	23,030	82%
Time Period		DENMARK	16	756	4.22	22,365	79%
Min: 2008 Max: 2014		FINLAND	17	600	3.95	22,046	86%
		NORWAY	18	754	4.39	22,025	78%
Update Results		BELGIUM	19	658	4.91	20,884	76%
		GREECE	20	871	3.42	19,727	86%
		AUSTRIA	21	678	3.98	18,567	75%
		CHINA MAINLAND	22	881	3.66	18,264	80%
		BRAZIL	23	694	3.81	17,746	81%
		ISRAEL	24	509	4.41	16,365	82%
		HUNGARY	25	483	4.24	15,852	83%



#### **Collaborating Institutions**







#### Collaborating Institutions: Columbia

	CNRS	8	1,101	3.12	24,602	87%
Journal	University of Michigan	9	798	3.69	24,320	87%
Open Access	University of Michigan System	9	796	3.7	24,320	87%
Thresholds	Massachusetts Institute of Te	10	843	4.01	23,844	87%
Thresholds -	University of Liverpool	11	1,117	2.88	22,084	83%
Web of Science Documents	University of Chicago	12	805	3.38	21,238	88%
Times Cited	Pennsylvania Commonwealth	13	847	3.33	20,997	87%
	Pierre & Marie Curie Universit	14	845	3.73	20,700	86%
By Time 🔺	Sapienza University Rome	15	929	3.26	20,589	87%
Time Period	United States Department of	16	857	3.11	20,511	88%
	University of Toronto	17	877	3.66	20,432	84%
Update Results	University of Wisconsin System	18	756	3.38	20,204	88%
	Imperial College London	19	743	3.29	20,120	79%
	Duke University	20	781	3.67	19,424	84%
	Max Planck Society	21	777	3.37	19,200	83%
	PRES University Sorbonne P	22	708	4.04	19,172	83%
	University of Helsinki	23	462	4.02	19,012	88%
	Lund University	24	543	4.77	18,870	82%
	Ohio State University	25	711	3.47	18,824	87%
	Istituto Nazionale di Fisica Nu	26	853	2.87	18,709	88%
	University of Pennsylvania	27	710	3.68	18,673	85%
	University of Illinois System	28	674	3.46	18,296	88%
	Columbia University	29	525	4.24	18,152	82%
	Consejo Superior de Investig	30	728	3.29	18,006	87%
	University of Manchester	31	978	3.3	17,734	79%
	University of Washington Sea	32	474	5.19	17,731	82%
	McGill University	32	727	3.49	17,731	88%

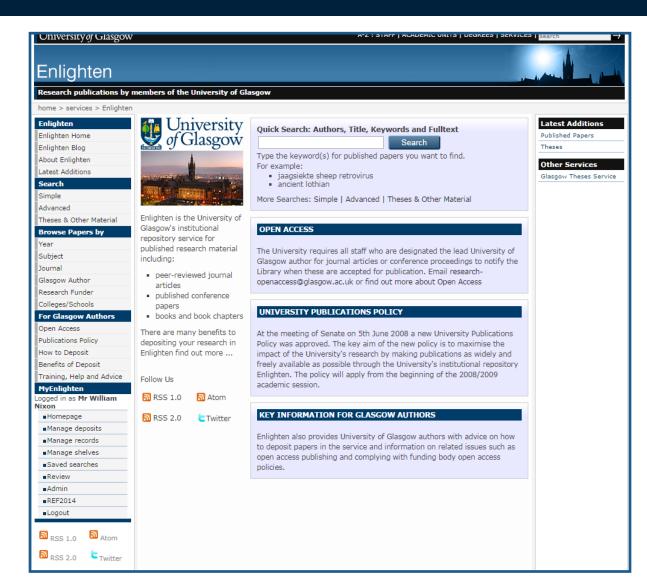


#### Benchmarking: UK Russell Group

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Dataset 🔅	Que	een Mary University London					
InCites Dataset	Univ	versity of Oxford 769,763					
Filters Ø	Univ	versity College London					
By Attributes		681,015 erial College London 590,329					
Organization Name =		versity of Cambridge 698,305 versity of Edinburgh					
University of Toronto		versity of Bristol					
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Location =		eline for All Items					
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X UK: RUSSELL GROUP			Rank 0	Science	Citation	Times	% Docs
x UK: RUSSELL GROUP       By Research Network	٥	Name	8	Science Documents	Citation Impact	Times Cited	% Docs Cited
x UK: RUSSELL GROUP       By Research Network	•	Name Baseline for All Items	o	Science Documents 625,409	Citation Impact	Times Cited 4,967,842	% Docs Cited
x UK: RUSSELL GROUP         By Research Network         Collaborations with People         Collaborations with Organizations	•	Name Baseline for All Items Queen Mary University London	0	Science           Documents           625,409           16,769	Citation Impact 1.48 1.81	Times Cited           4,967,842           164,897	% Docs Cited 58.51% × 60%
x UK: RUSSELL GROUP         By Research Network         Collaborations with People         Collaborations with		Name Baseline for All Items Queen Mary University London University of Oxford	0 1 1	Science Documents           625,409           16,769           70,691	Citation Impact 1.48 1.81 1.81	Times Cited           4,967,842           164,897           769,763	% Docs Cited 58.51% 60% 61%
x UK: RUSSELL GROUP         By Research Network         Collaborations with People         Collaborations with Organizations         Collaborations with Locations		Name Baseline for All Items Queen Mary University London University of Oxford University College London	0 1 1 2	Science Documents 625,409 16,769 70,691 72,206	Citation Impact 1.48 1.81 1.81 1.73	Times Cited           4,967,842           164,897           769,763           681,015	% Docs Cited           58.51%           60%           61%           62%
* UK: RUSSELL GROUP         By Research Network         Collaborations with People         Collaborations with Organizations         Collaborations with		Name       Baseline for All Items       Queen Mary University London       University of Oxford       University College London       Imperial College London	0 1 1 2 3	Science Documents           625,409           16,769           70,691           72,206           55,859	Citation impact 1.48 1.81 1.81 1.73 1.72	Times Cited           4,967,842           164,897           769,763           681,015           590,329	% Docs Cited 58.51% 60% 61% 62% 65%
x UK: RUSSELL GROUP         By Research Network         Collaborations with People         Collaborations with Organizations         Collaborations with Locations		Name         Baseline for All Items         Queen Mary University London         University of Oxford         University College London         Imperial College London         University of Cambridge	0 1 1 2 3 3 3	Science Documents 625,409 16,769 70,691 72,206 55,859 62,864	Citation impact 1.48 1.81 1.81 1.73 1.72 1.72	Times Cited           4,967,842           164,897           769,763           681,015           590,329           698,305	% Docs           Cited           58.51%           60%           61%           62%           65%           63%
x UK: RUSSELL GROUP         By Research Network         Collaborations with People         Collaborations with Organizations         Collaborations with Locations         By Research Output         Document Type		Name         Baseline for All Items         Queen Mary University London         University of Oxford         University College London         Imperial College London         University of Cambridge         University of Edinburgh	0 1 1 2 3 3 3 4	Science Documents           625,409           16,769           70,691           72,206           55,859           62,864           36,746	Citation impact 1.48 1.81 1.73 1.72 1.72 1.72 1.71	Times Cited           4,967,842           164,897           769,763           681,015           590,329           698,305           373,426	% Docs           Cited           58.51%           60%           61%           62%           63%           62%
Image: With Russell GROUP         By Research Network         Collaborations with People         Collaborations with Organizations         Collaborations with Locations         By Research Output		Name         Baseline for All Items         Queen Mary University London         University of Oxford         University College London         Imperial College London         University of Cambridge         University of Bristol	0 1 2 3 3 4 5	Science Documents           625,409           16,769           70,691           72,206           55,859           62,864           36,746           26,799	Citation impact 1.48 1.81 1.73 1.72 1.72 1.72 1.71 1.67	Times Cited           4,967,842           164,897           769,763           681,015           690,329           698,305           373,426           253,640	% Docs           Cited           58.51%           60%           61%           62%           63%           62%           64%











- University of Glasgow's institutional repository
- 72,000 publication records, 1.2 Million downloads with 11% full text papers
- EPrints software maximises exposure through Google
- Open Access and citation gain
- Citation data imported from WoS and Scopus
- Used to create staff publication profiles
- Basis for InCites Glasgow author dataset



#### Open Access (2008-13)

	Results: 291	i	Bar (	Graph 🛩 Times Cited			~ -	10 + Hide
	Dataset	٥	PLOS	ONE				4.640
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	By Attributes	•	PLOSI	PATHOGENS	725			
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Open Access	• Organization Name			OPTICS EXPRESS	2	68	1,085	91%
🗹 Open Access	Location	=		PLOS MEDICINE	3	20	835	100%
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By Research Output

Person Name or ID

Organization Name

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Research Area Schema UK REF (2014)

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× University of Edinburgh

#### Open Access (2008-13): Edinburgh, REF2014 Physics

Results: 41 (i)	Bar Graph 🗸 Times Cited		~ _ 4	5 + Hide
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By Attributes		203		
Journal Name =	SENSORS 103			
ISSN =	LIVING REVIEWS IN RELATIVITY			
By Research Network	49			
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By Research Output

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Research Area

Document Type

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 Open Access

× University of Glasgow

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#### **Publication Policy**

#### Staff are required to deposit:

- electronic copies of peer-reviewed journal articles and conference proceedings
- bibliographic details of all research outputs, and to provide the full text of other research outputs where appropriate.

#### In order to:

- increase the visibility of research publications produced by staff employed by or associated with the University of Glasgow
- ensure that research outputs are prepared and curated in a way which helps maximise the value that they have for the university in terms of the external use of bibliometric data e.g. league tables, post-2008 RAE



#### Enlighten Record (Fulltext)

Enlighten	Entropic uncertainty minimum for angle and angular momentum
Enlighten Home	Yao, A. M., Brougham, T., Eleftheriadou, E., Padgett, M. J., and Barnett, S. M. (2014) Entropic uncertainty minimum for angle and
Enlighten Blog	angular momentum, Journal of Optics, 16 (10). p. 105404. ISSN 2040-8978 (doi:10.1088/2040-8978/16/10/105404)
About Enlighten	
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Search	Text
Simple	97416.pdf - Published Version
Advanced	Available under License Creative Commons Attribution.
Theses & Other Material	397Kb
Browse Papers by	Publisher's URL: http://dx.doi.org/10.1088/2040-8978/16/10/105404
Year	Publisher 5 OKEL http://dx.doi.org/10.1006/2040-0576/10/10/10/3044
Subject	Abstract
Journal	
Glasgow Author	Uncertainty relations are key components in the understanding of the nature of quantum mechanics. In particular, entropic relations are
Research Funder	preferred in the study of angular position and angular momentum states. We propose a new form of angle-angular momentum state that
Colleges/Schools	provides, for all practical purposes, a lower bound on the entropic uncertainty relation, H $\phi$ + Hm, for any given angular uncertainty, thus
For Glasgow Authors	improving upon previous bounds. We establish this by comparing this sum with the absolute minimum value determined by a global
Open Access	numerical search. These states are convenient to work with both analytically and experimentally, which suggests that they may be of use for quantum information purposes.
Publications Policy	tor quantum miorination purposes.
How to Deposit	Item Type: Article
Benefits of Deposit	Status: Published
Training, Help and Advice	
MyEnlighten	Refereed: Yes
ogged in as <b>Mr William</b> Nixon	Glasgow Author(s) Barnett, Professor Stephen and Brougham, Dr Thomas and Yao, Dr Alison and Padgett, Professor Miles
<ul> <li>Homepage</li> </ul>	Enlighten ID:
Manage deposits	Authors: Yao, A. M., Brougham, T., Eleftheriadou, E., Padgett, M. J., and Barnett, S. M.
<ul> <li>Manage records</li> </ul>	College/School: College of Science and Engineering > School of Physics and Astronomy
Manage shelves	
Saved searches	Journal Name: Journal of Optics
Review	Publisher: Institute of Physics Publishing Ltd.
Admin	ISSN: 2040-8978
■REF2014	ISSN (Online): 2040-8986
■Logout	
8 8	Copyright Holders: Copyright © 2014 The Authors
RSS 1.0 Atom	First Published: First published in Journal of Optics 16(10):105404
RSS 2.0	Publisher Policy: Reproduced under a Creative Commons License
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	University Staff: Request a correction   Enlighten Editors: Update this record
	Altmetric
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	No Altmetrics are currently available for this publication.
	Endoward Device traference in
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	Project Award Project Name Principal Funder's Name Funder Ref Lead Dept
	54987 1 Challenges in Orbital Miles Padgett Engineering & Physical Sciences EP/I012451/1 [PSA - PHYSICS]
	Angular Momentum Research Council (EPSRC)
	Tools



#### **Enlighten:** Citation Data

Sheppard, Nicholas and Gregs	tation count dataset and import plug-ins v1.1.0 son, Mark and Francois, Sebastien (2011) Citation count dataset and import plug-ins v1.1.0.
	This is the latest version of this eprint.
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t Text	<u>Plain Text</u> Available under License <u>Creative Commons GNU GPL (Software)</u> . 4Kb (80 downloads)
	Official URL: http://eprints.gut.edu.au
Department: Library eServices nstitution: Queensland Univers Date Deposited: 13 Dec 2012 1 .ast Modified: 03 May 2013 10:	du.au Prints 3.2 nolas and Gregson, Mark and Francois, Sebastien sity of Technology 5:15 :54 iataset and import plug-ins v1.1.0
These scripts and plug-ins enabl Soogle Scholar. All citation data itation counts. The most recent so that they can be accessed fro	le an EPrints repository to retrieve and store citation counts from Scopus, Web of Science and is stored in a dataset called 'citation', which contains a complete history of requests for counts for any given eprint are cached in the 'scopus', 'wos' and 'gscholar' fields of that eprint m citation files and export plug-ins. Updates (December 2012): support for v3 of the WoS ypus API (view README for more details). Note that the package seems to work fine on

in requires WWW::Mechanize::Sleepy.



#### **Enlighten Record: Altmetrics**

Enlighten Direct me	easurement	of a 27-dim	ensional or	bital-angular-mom	entum stat	e vector	
Enlighten Home Malik, M., Mi	rhosseini, M., Lave	ery, M.P.J., Leach	h, J., Padgett, M.	J., and Boyd, R.W. (2014)	Direct measure	ment of a 27-	dimensional
				ns, 5 . p. 3115. ISSN 2041-			
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Latest Additions Full text not	currently available	from Enlighten.					
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Simple Publisher's U	RL: http://dx.doi.	org/10.1038/nco	mms4115				
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Browse Papers by							
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				tion systems and can be ex			
Open Access quantum sta	tes.						
Publications Policy							
How to Deposit	Item Type:	Article					
Benefits of Deposit	Status:	Published					
Training, Help and Advice	Refereed:	Yes					
MyEnlighten Gla	snow Author(s)	Lavery Mr Mart	in and Boyd Pro	f Robert and Padgett, Prof	Miles and Leach	Mr Ionathar	·····
ogged in as Mr William lixon	Enlighten ID:	Lavery, mi Malu		Robert and Paugett, PIO	miles and Ledu		
Homepage	Authors:	Malik, M., Mirho	sseini, M., Laver	y, M.P.J., Leach, J., Padget	tt, M.J., and Boy	d, R.W.	
<ul> <li>Manage deposits</li> </ul>	College/School:	College of Scien	ice and Engineeri	ing > School of Physics and	d Astronomy		
Manage records							
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Saved searches	Publisher:	Nature Publishir	ng Group				
Review	ISSN:	2041-1723					
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REF2014			Ur	niversity Staff: Request a co	orrection   Enlig	hten Editors:	Update this record
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		n <b>1</b> Facebook pa					
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Manage shelves     Saved searches     Review     Admin     REF2014     Logout     RSS 1.0     Atom	1. The use of indigenous knowledge in development: problems and challenges       4,5         2. Management of needlestick injuries in general dental practice       3,6         3. evaluating narratives in annual reports: a comprehensive descriptive profile and       3,7	151	Prof Vivien Beattie     Prof Timothy Miller     Professor Yun Li     Professor John Briggs     Professor John Briggs	21,441 7,497 6,159 5,299



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	9. en.wikipedia.org	3,959
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#### Next Steps with Bibliometrics

- Formal bibliometrics service offered to staff
  - Calculation of metrics such as H-Index, Impact Factors
  - InCites reports for Colleges, International Office and Research Office
  - Training sessions for staff on new InCites
- Ongoing migration to new InCites (incl Shibboleth)
- Refresh of Glasgow author data
- Training for Library and other staff
- Altmetrics: Exploring Institutional Rankings
- ORCIDs assigned and matched with WoS (via Enlighten)



#### **#HEFCEmetrics**

### In metrics we trust? Prospects & pitfalls of new research metrics

A one-day workshop hosted by the University of Sussex, as part of the Independent Review of the Role of Metrics in Research Assessment Tuesday 7 October 2014 Terrace Room, Conference Centre, Bramber House, University of Sussex



The quality and impacts of research are commonly assessed using a combination of peer review and a variety of quantitative metrics. The use of metrics and 'altmetrics' has developed rapidly, but is the subject of heated debate across the research community.

In April 2014, the Minister for Universities and Science asked HEFCE to undertake a review of the role of metrics in research assessment and management, to inform these debates and influence the design of the next Research Excellence Framework (REF). Details of the review can be found on the <u>HEFCE</u> website. The review will consider current uses of

metrics for research assessment, the robustness of metrics across different disciplines, and their potential contribution to the development of research excellence and impact. The review is being chaired by <u>James Wilsdon</u>, Professor of Science and Democracy at the University of Sussex, and will publish its findings in the spring of 2015.

As a contribution to the work of the review, HEFCE and the Science Policy Research Unit (SPRU) at the University of Sussex are co-hosting a one-day workshop on 7 October 2014.



#### **Dylan-metrics**

#### Culture Music Bob Dylan

#### Scientists sneak Bob Dylan lyrics into articles as part of long-running bet

Group of Swedish academics – authors of papers such as Nitric Oxide and Inflammation: The Answer is Blowing in the Wind – reveal 17-year bet: whoever has written most articles including Dylan quotes before going into retirement wins a lunch at a local restaurant

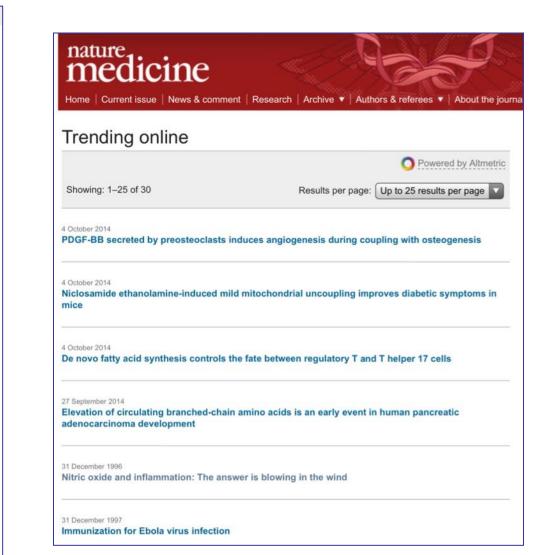
Sean Michaels

The Guardian, Monday 29 September 2014 07.44 BST



Bob Dylan ... Blood on the Tracks: an insight into non-neutral cells. Photograph: The Estate of David Gahr/Getty Images

Five Swedish-based scientists have been inserting Bob Dylan lyrics into research articles as part of a long-running bet. After 17 years, the researchers revealed their race to quote Dylan as many times as possible





#### Find Out More

- http://www.glasgow.ac.uk
- http://www.glasgow.ac.uk/enlighten
- William.Nixon@glasgow.ac.uk
- @williamjnixon

Thanks for your attention