

3-19-2014

Altmetrics: New Trends in Tracking and Measuring Scholarly Impact

Deborah H. Charbonneau
Wayne State University, dcharbon@wayne.edu

Alexandra Sarkozy
Wayne State University

Recommended Citation

Charbonneau, Deborah H. and Sarkozy, Alexandra, "Altmetrics: New Trends in Tracking and Measuring Scholarly Impact" (2014).
School of Library and Information Science Faculty Research Publications. Paper 113.
<http://digitalcommons.wayne.edu/slisfrp/113>

This Article is brought to you for free and open access by the School of Library and Information Science at DigitalCommons@WayneState. It has been accepted for inclusion in School of Library and Information Science Faculty Research Publications by an authorized administrator of DigitalCommons@WayneState.

Altmetrics: New Trends in Tracking and Measuring Scholarly Impact

Deborah Charbonneau

Alexandra Sarkozy

March 19, 2014

SLA Michigan Chapter Presentation

Agenda

- * Rising Trend of “Altmetrics”
- * Background and Context
- * Range of Tools
- * Opportunities for LIS Professionals

Learning Objectives

By the end of the workshop, you will:

- * Understand how altmetrics are shaping the scholarly landscape.
- * Describe the features of various “altmetrics” tools.

Background

Altmetrics (or “Alternative Metrics”)

- * Bibliometrics vs. Altmetrics
- * Strengths and Weaknesses
- * Alternatives

Altmetrics

The State of Altmetrics

- * Different “Measures”
- * Major Players
- * Library Involvement

Types of “Metrics”

- * Citation-based
- * Journal rank
- * Researcher impact and influence
 - * *Usage, captures, mentions, bookmarks, etc.*

Major Players (Stakeholders)

- * Publishers
- * Open Science Movement
- * Researchers
- * Funding Agencies
- * Libraries
- * Consumers of Research (*i.e. general public*)
- * *Many more!*

Overview of Tools

Major Citation Databases

Web of Science™ | InCites® | Journal Citation Reports® | Essential Science Indicators™ | EndNote®

WEB OF SCIENCE™

[Back to Search](#)

Scopus

[Search](#) | [Alerts](#) | [My list](#) | [Settings](#)

[Back to results](#) | [Previous](#) **15 of 28,615** [Next](#) >

[Link to Full Text](#) | [View at Publisher](#) | [Export](#) | [Download](#) | [More...](#)

Nature

Volume 429, Issue 6990, 27 May 2004, Pages 457-463

Epigenetics in human disease and prospects for epigenetic therapy (Review)

Egger, G., Liang, G., Aparicio, A., Jones, P.A.  

Dept. Biochem./Molec. Biol./Urol., Keck School of Medicine, University of Southern California, 1441 Eastlake Avenue, Los Angeles, CA 90089-9181, United States

Abstract

Epigenetic mechanisms, which involve DNA and histone modifications, result in the heritable silencing of genes without a change in their coding sequence. The study of human disruption of the balance of epigenetic networks can cause several major pathologies, including cancer, syndromes involving chromosomal instabilities, and mental retardation. 1 other diseases that are caused by epigenetic alterations. Great potential lies in the development of 'epigenetic therapies' - several inhibitors of enzymes controlling epigenetic methylation, histone deacetylases, have shown promising antitumorigenic effects for some malignancies.

Indexed keywords

Engineering controlled terms: Disease control; DNA; Drug therapy; Enzymes; Genes; Tumors

Engineering uncontrolled terms: Antitumorigenic effects; Epigenetic modifications

Mendeley readership statistics

427 people have saved this article to Mendeley

Top disciplines

Biological Sciences 69%
Medicine 18%
Chemistry 4%

Top demographics

Ph.D. Student 26%
Student (Master) 14%
Student (Bachelor) 12%

Top countries

United States 4%
Germany 2%
Netherlands 1%

 [View article in Mendeley](#) | [More about Mendeley](#)

Altmetric for Scopus



So far this article has been mentioned once.

Sources

 1 tweeter

Saved to reference managers

Google Scholar



Deborah H. Charbonneau

Assistant Professor, School of Library and Information Science, Wayne State University

Health Literacy - Health Communication - Consumer Health - Aging and Caregiving - Scholarly Communication

Verified email at wayne.edu

[Homepage](#)

Google scholar

[My Citations](#) - [Help](#)

Follow this author

1 Follower

Citation in	
	All
Citations	18
h-index	3
i10-index	0

Google scholar

[My Citations](#)

Title / Author

[Demystifying sur design](#)

DH Charbonneau
Evidence based libr

[Collaboration and health workforce](#)

DH Charbonneau, E
Journal of the Medic

[Collaborating with DHC MLS, AMH ML](#)

Journal of Consume

[Faculty experiential policy, compliance](#)

DH Charbonneau, J
J Med Libr Assoc 10

[An analysis of be](#)

Authors

1-10 [Next >](#)



Rima E. Rudd

Harvard School of Public Health
Verified email at hsph.harvard.edu
Cited by 2551



David M. Latini

Asst Professor of Urology, Baylor College of Medicine & Dept of Veterans Affairs
Verified email at bcm.edu
Cited by 2042



Elana Joram

Professor of Educational Psychology, University of Northern Iowa
Verified email at uni.edu
Cited by 878



Katharina Echt

Verified email at emory.edu
Cited by 735



Elaine Hsieh (謝怡玲)

Department of Communication, University of Oklahoma
Verified email at ou.edu
Cited by 641



Mia Liza A. Lustria

Florida State University
Verified email at fsu.edu
Cited by 533

Institutional Repositories

The screenshot displays the Wayne State University Digital Commons website. The header includes navigation links for Home, About, FAQ, and My Account. The main banner features the Wayne State University logo and the text "DIGITAL COMMONS @WAYNESTATE".

Left Sidebar:

- Enter search terms:
- in this series
- Advanced Search
- Notify me via email or RSS
- Links**
 - WSU Libraries
- Browse**
 - Collections
 - Disciplines
 - Authors
- Author Corner**
 - Author FAQ
 - Policy
 - Submit Research

Main Content Area:

Home > Libraries > LIBSP > 65 [< Previous](#) [Next >](#)

LIBRARY SCHOLARLY PUBLICATIONS

High Impact and Open Access: Proven Strategies for Encouraging Faculty to Deposit in your Institutional Repository

[Alexandra Sarkozy, Wayne State University](#)

[Joshua Neds-Fox, Wayne State University](#)

Document Type
Conference Proceeding

Abstract
Presentation given at the Michigan Library Association Academic Libraries 2013 Conference, detailing the strategy used by the Wayne State University Libraries to make the case for Green Open Access participation by faculty. Outlines the authors' approach to crafting the case for Open Access and deposit using studies supporting OA citation advantage, ISI's JCR and SHERPA/RoMEO, and a library-centered service model for citation review and deposit

Included in
[Library and Information Science Commons](#)

SHARE

[f](#) [t](#) [in](#) [g+](#) [e](#) [+](#)

Altmetric.com

nature.com > Publications A-Z index > Browse by subject

Nature-standard editing and advice on your scientific manuscripts
Submit today!

MACMILLAN SCIENCE COMMUNICATION

My account
Submit manuscript
Register
Subscribe

Cancer Gene Therapy

The Journal of Cancer Gene and Cellular Therapies

Login Cart

Search [] Advanced search

Journal home > Archive > Reviews > Full text

- Journal home
- Advance online publication
 - About AOP
- Current issue
- Archive**
- Press releases
- Online submission
- Free Online Issue
- For authors
- For referees
- Contact editorial office
- About the journal
- For librarians
- Subscribe
- Advertising
- Reprints and permissions

Review

Cancer Gene Therapy (2014) 21, 2-11; doi:10.1038/cgt.2013.77; published online 10 January 2014

Prostate cancer: from the pathophysiologic implications of some genetic risk factors to translation in personalized cancer treatments

C R Ballistreri¹, G Candore¹, D Lio¹ and G Carruba²

¹Department of Pathobiology and Medical and Forensic Biotechnologies, University of Palermo, Palermo, Italy

²Experimental Oncology, Department of Oncology, ARNAS-Civico, Palermo, Italy

Correspondence: Dr CR Ballistreri, Department of Pathobiology and Medical and Forensic Biotechnologies, University of Palermo, Corso Tukory 211, Palermo 90134, Italy; E-mail: carmelacrista.ballistreri@unipa.it

Received 4 July 2013; Revised 16 September 2013; Accepted 19 September 2013
Advance online publication 10 January 2014

Abstract

Several pathologies affect human prostate, such as prostate cancer (PC), which is the most common non-skin malignant cancer in Western male

FULL TEXT

Previous | Next

Table of contents

- Download PDF
- Send to a friend
- View interactive PDF in ReadCube
- Rights and permissions
- Order Commercial Reprints

Abstract

Introduction

Inflammation and PC

Genetic polymorphisms that modulate inflammation and PC onset and progression: the role of 'genetic modifier alleles'

Sex steroid hormone-related pathways in PC

Focus on the role of genetic variants of the sex hormone pathway

Emerging data on the role of

2

Tweeted by 2

1 reader on Mendeley

0 readers on CiteULike

[Click for more details](#)

Impactstory.org



Sign up | Log in



Carl Boettiger

ORCID

Open Access

61 research products

Embed Download

Article

Early warning signals and the prosecutor's fallacy.

(2012) Boettiger, Hastings. *Proceedings. Biological sciences / The Royal Society*

highly saved highly discussed highly cited

Is your phylogeny informative? Measuring the power of comparative methods.

(2012) Boettiger, Coop, Ralph. *Evolution; international journal of organic evolution*

highly cited highly saved saved discussed

rfishbase: exploring, manipulating and visualizing FishBase data from R.

(2012) Boettiger, Lang, Wainwright. *Journal of fish biology*

highly saved highly discussed cited saved

Modeling stabilizing selection: expanding the Ornstein-Uhlenbeck model of adaptive evolution.



(2012) Boettiger, Burgess. *Department of Ecology International journal of organic evolution*

highly cited highly saved discussed

PLOS ONE

ADVERTISEMENT



Want a hand interpreting your NGS data? **EXIQON**
Download a free sample report

plos.org

create account

sign in



Subject Areas

For Authors

About Us

Search



advanced search

OPEN ACCESS PEER-REVIEWED

RESEARCH ARTICLE

13,393

VIEWS

1

SAVE

491

SHARES

A Diminutive New Tyrannosaur from the Top of the World

Anthony R. Fiorillo , Ronald S. Tykoski

Published: March 12, 2014 • DOI: 10.1371/journal.pone.0091287

Article

About the Authors

Metrics

Comments

Related Content

Download PDF

Print

Share

Abstract

Introduction

Methods

Results and Discussion

Conclusions

Supporting Information

Acknowledgments

Author Contributions

References

Abstract

Tyrannosaurid theropods were dominant terrestrial predators in Asia and western North America during the last of the Cretaceous. The known diversity of the group has dramatically increased in recent years with new finds, but overall understanding of tyrannosaurid ecology and evolution is based almost entirely on fossils from latitudes at or below southern Canada and central Asia. Remains of a new, relatively small tyrannosaurine were recovered from the earliest Late Maastrichtian (70–69Ma) of the Prince Creek Formation on Alaska's North Slope. Cladistic analyses show the material represents a new tyrannosaurine species closely related to the highly derived *Tarbosaurus*+*Tyrannosaurus* clade. The new taxon inhabited a seasonally

Subject Areas

Alveoli

Cretaceous period

Dinosaurs

Maxilla

Phylogenetics

figshare



Browse Upload

Sign up Login

Specific Gravity, RVP, Octane Number, and Saturates, Olefins, and Aromatics Fractional Composition of Gasoline and Petroleum Fractions by Neural Network Algorithms

Table S1. Supplementary material for the calculation of specific gravity.

ID	IBP	ASTM D86 Distillation Temperatures (°C)								SG Exp.	SG Calc.	% Error	Set
		5%	10%	30%	50%	70%	90%	95%	FBP				
1	32.2	44.4	50.6	75.6	96.1	119.4	142.2	150.6	180.6	0.69	0.66	0.18	Trainin
2	155.6	170	173.9	190	201.1	214.4	230.6	236.7	251.1	0.79	0.79	-0.02	g
3	226.3	227.8	288.9	286.7	303.3	323.6	362.8	381.1	397.2	0.85	0.85	0.01	Trainin
4	62.2	79.4	82.2	93.9	106.1	120.6	138.3	146.1	161.7	0.72	0.71	-0.30	Trainin
5	146.4	167.8	172.8	187.8	200	213.9	231.7	237.8	245.6	0.95	0.77	-0.30	g
6	50	78.3	96.1	107.9	121.7	133.3	145	148.9	155	0.79	0.73	0.51	Trainin
7	35.6	47.8	53.3	76.1	97.8	118.3	141.7	148.9	159.4	0.73	0.66	0.12	Trainin
8	145.8	166.7	171.7	187.2	198.3	211.1	227.8	233.3	240	0.79	0.79	0.36	Trainin
9	235.6	256.1	266.7	286.1	301.7	323.9	360	376.1	385	0.95	0.66	0.04	Trainin
10	61.7	78.9	82.3	95	106.7	119.4	138.9	146.7	171.1	0.85	0.85	-0.20	Trainin
11	147.2	168.9	172.8	187.8	200	214.4	232.8	240	251.1	0.72	0.71	0.53	Trainin
12	48.9	74.4	82.8	105	119.4	132.2	144.4	148.9	172.2	0.73	0.73	0.19	Trainin
13	66.1	81.7	83.9	93.3	103.9	116.7	133.3	143.3	157.2	0.72	0.72	-0.08	Trainin

1

5 views

0 shares

cites coming soon

Published on 18 Mar 2014 - 13:41 (GMT)

Filesize is 325.38 KB

This data is part of a published article:
Petroleum Science and Technology, Vol. 32, No. 10, 2014, pp. 1219–1226



Browse more

Categories

- Uncategorised

Keeping Current

Libguide:

<http://guides.lib.wayne.edu/altmetrics>

Wrap Up

- * Altmetrics are shaping the scholarly landscape.
- * New tools for tracking scholarly influence go beyond traditional metrics.
- * Alternative tools for assessing scholarly impact provide opportunities for LIS professionals.

Conclusion

- * **Our learning journey:**
 - * Rise of Altmetrics
 - * Various Tools
 - * Unique Features
- * How might you use these tools in your current environment?
- * Questions?

Thank you!

Deborah H. Charbonneau, Ph.D.

Assistant Professor

School of Library and Information Science

dcharbon@wayne.edu

Alexandra Sarkozy

Librarian and Liaison to College of Nursing

ff2662@wayne.edu