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# OA Week 2018

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# Open Access Week!

## UConn Library
## 2018

Supporting a Society where Research is Shared Freely

# What is Open Access?

Open Access is the free, immediate, online availability of research articles coupled with the rights to use these articles fully in the digital environment. Open Access ensures that anyone can access and use these results to turn ideas into industries and breakthroughs into better lives.

# Gold Vs. Green Open Access

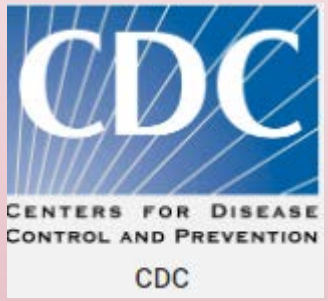
**Gold Open Access** takes place in formally published scholarly journals and is available immediately. Sometimes there is a charge to authors.

**Green Open Access** takes place in archival repositories, often after a delay following formal publication elsewhere.

**Access is Free**!

# Federal Funders Requiring “Open Literature”







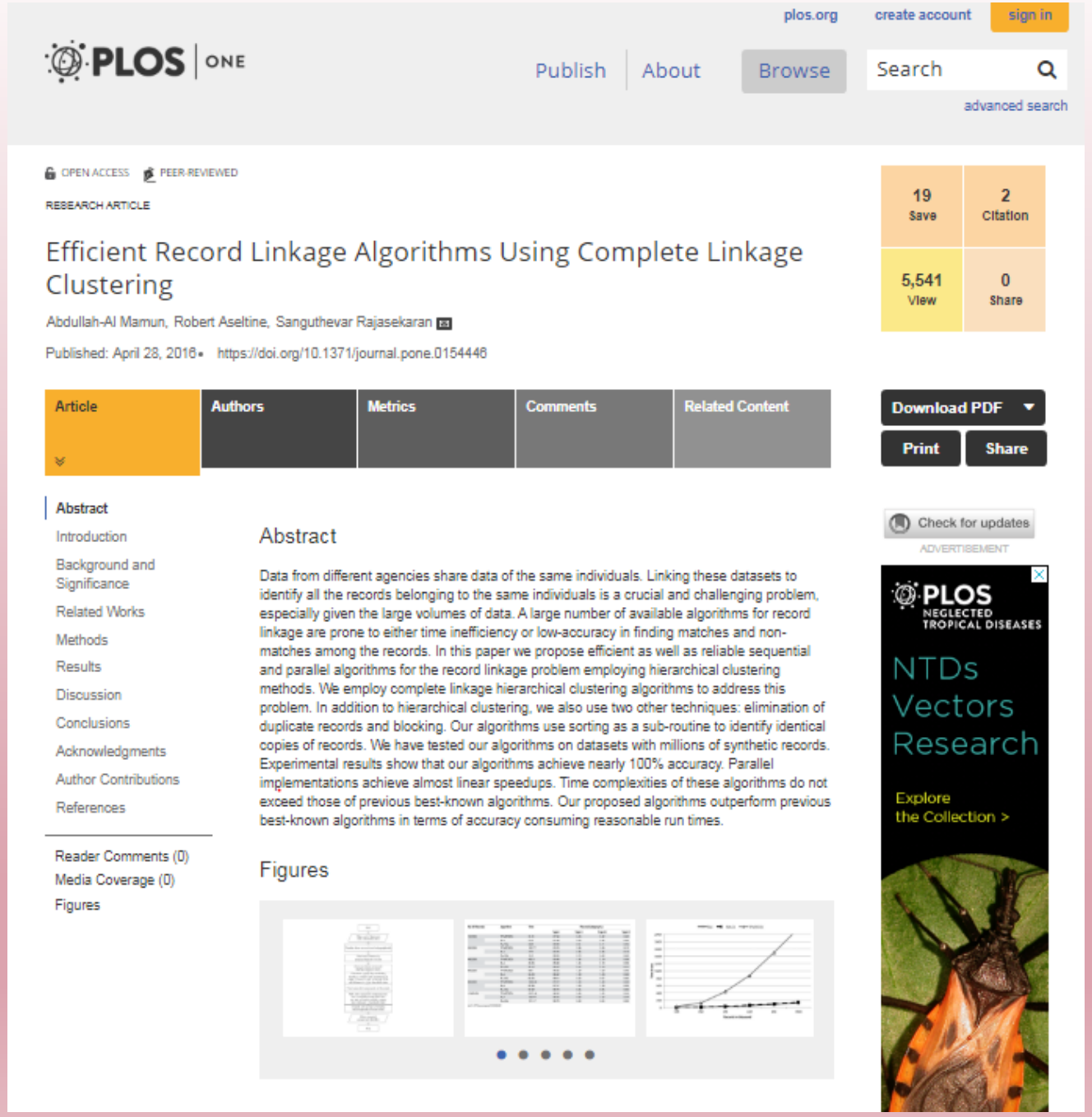




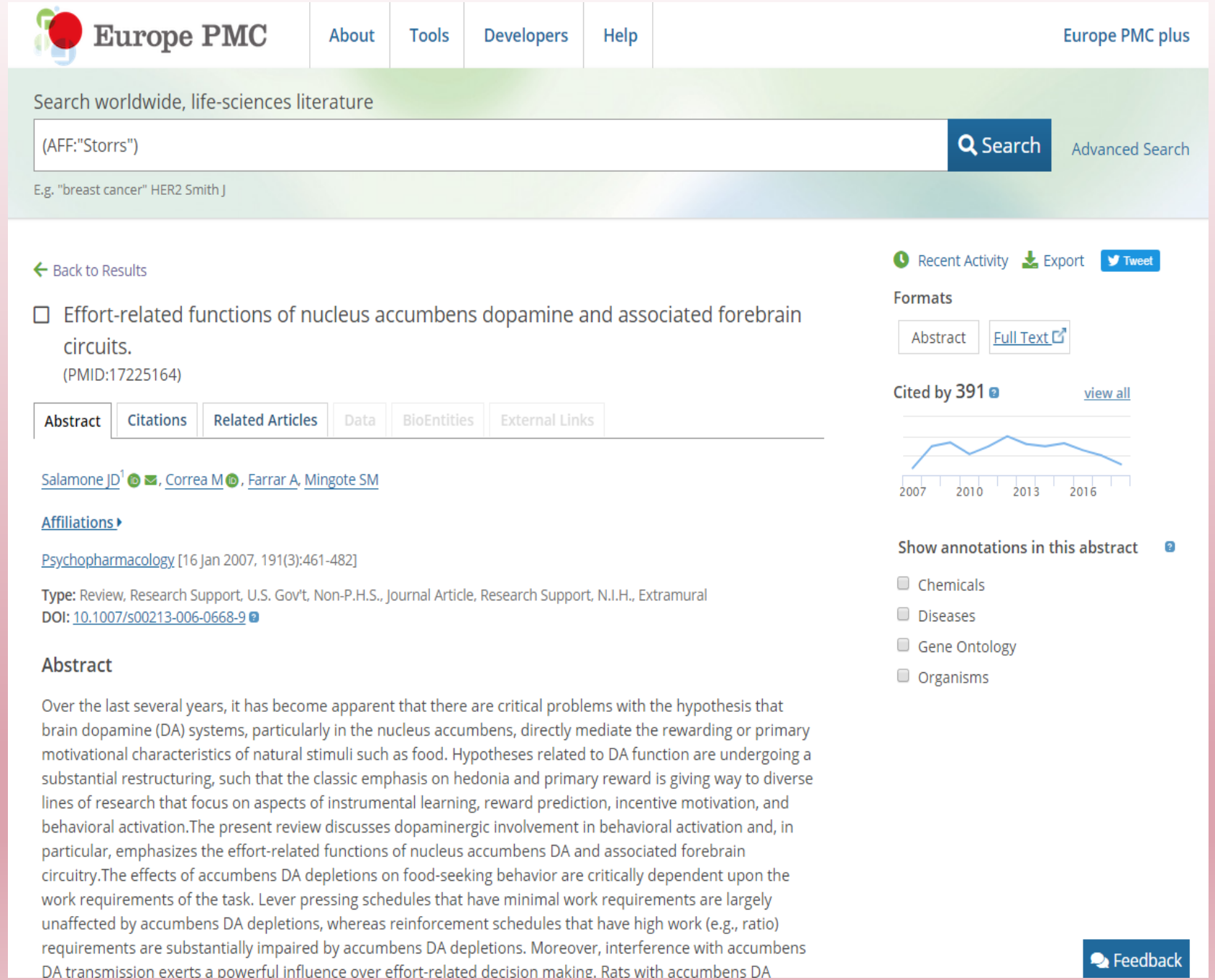









Example of Gold Open Access via the journal *PLOS One*




Example of Green Open Access via PubMed Central repository

# Why Open Access Matters?

- Gives authors a worldwide audience without subscription barriers
- Offers readers barrier-free access to information
- Puts rich and poor on the same informational footing
- Increases visibility of university’s faculty and research
- Makes publicly funded research available to the public
- Helps authors retain copyright for their works
- Increases scholarly citation rates
- Allows better models and more collaborative research

# What Research say about OA?

At least 28% of the scholarly literature is OA (19M in total) and […] this proportion is growing, driven particularly by growth in Gold and Hybrid.

The most recent year analyzed (2015) also has the highest percentage of OA (45%).

Open-access citation advantage: accounting for age and discipline, OA articles receive 18% more citations than average, an effect driven primarily by Green and Hybrid OA.

Piwowar, H., Priem, J., Larivière, V., Alperin, J. P., Matthias, L., Norlander, B., … Haustein, S. (2018). The state of OA: a large-scale analysis of the prevalence and impact of Open Access articles. *PeerJ*, 6, e4375. http://doi.org/10.7717/peerj.4375

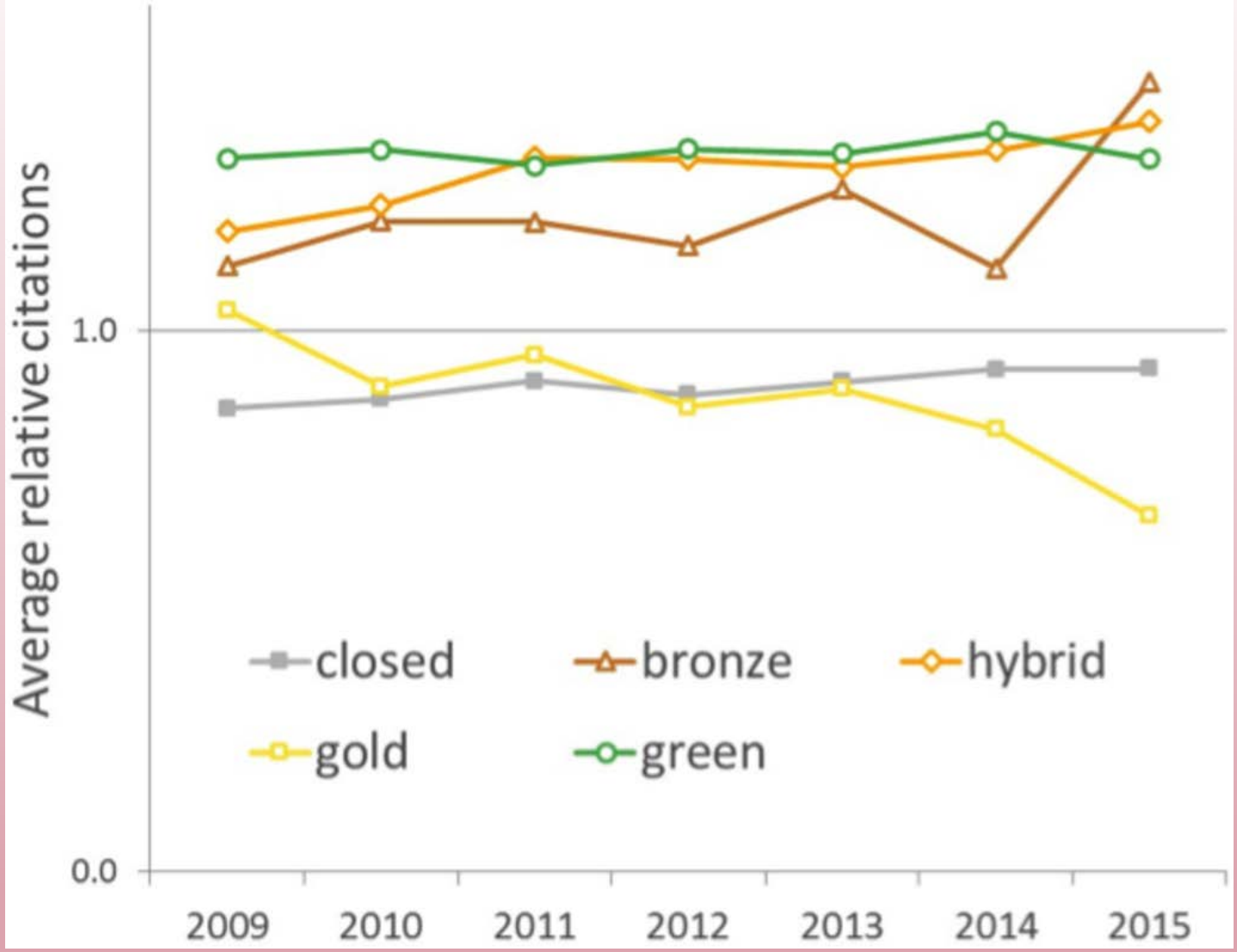
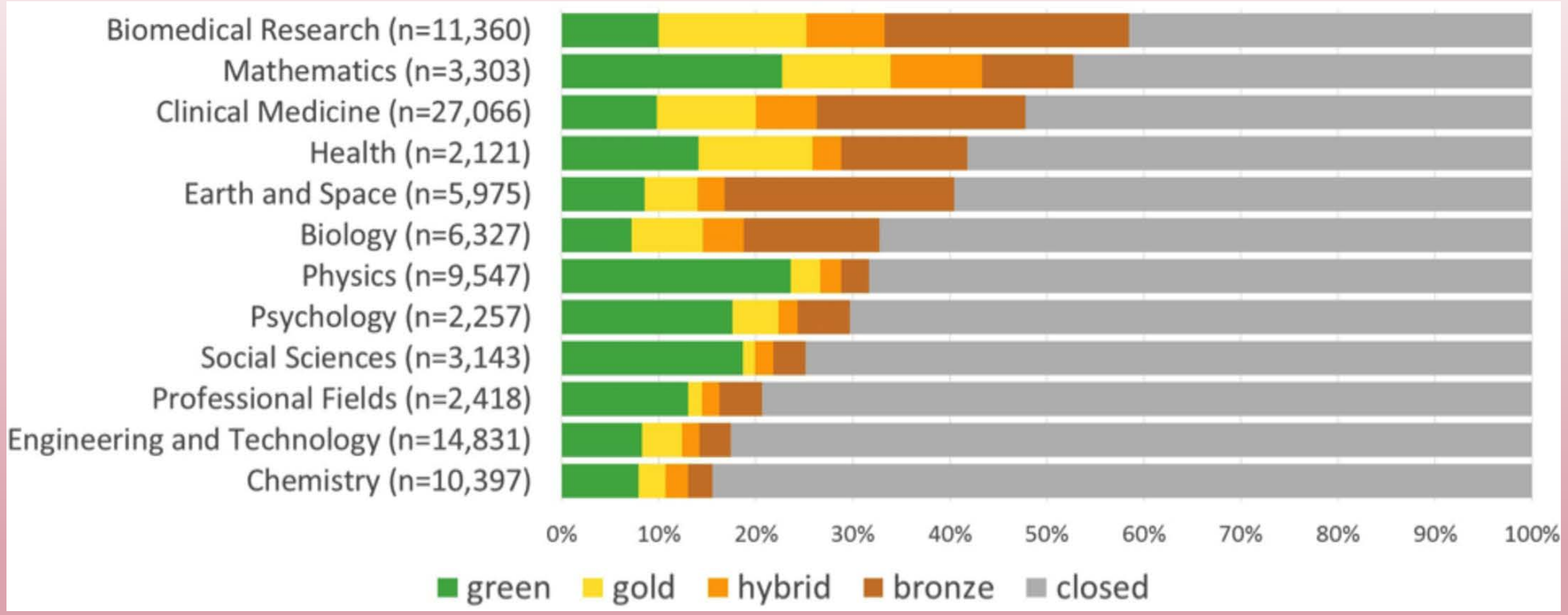



Figure 6: Percentage and impact of different access types of a random sample of WoS articles and reviews with a DOI, by year of publication.

Piwowar, H., Priem, J., Larivière, V., Alperin, J. P., Matthias, L., Norlander, B., … Haustein, S. (2018). The state of OA: a large-scale analysis of the prevalence and impact of Open Access articles. *PeerJ*, 6, e4375, p. 15. http://doi.org/10.7717/peerj.4375

**Figure 4: Percentage of different access types of a random sample of WoS articles and reviews with a DOI published between 2009 and 2015 per NSF discipline (excluding Arts and Humanities).**




Piwowar, H., Priem, J., Larivière, V., Alperin, J. P., Matthias, L., Norlander, B., … Haustein, S. (2018). The state of OA: a large-scale analysis of the prevalence and impact of Open Access articles. *PeerJ*, 6, e4375, p. 14. http://doi.org/10.7717/peerj.4375

# What UConn Faculty says about OA?

"I prefer open access journals because they make my work available to a broader audience … open access journals democratize knowledge and science" –**David Wagner**, Ecology & Evolutionary Biology

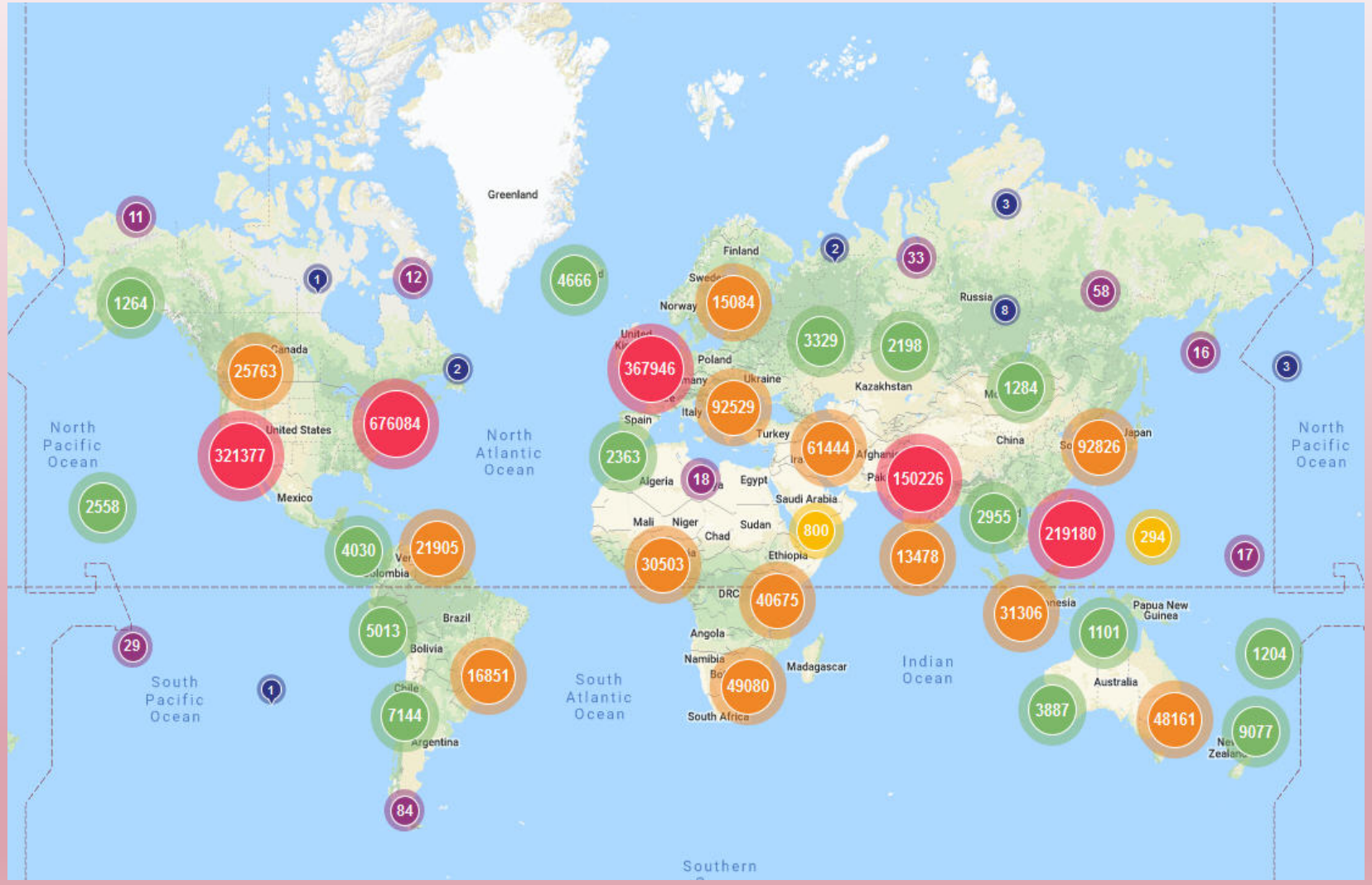
"Speedy publication with enhanced visibility and dissemination" -**Kumar Venkitanarayanan**, Animal Science

"I think open access is a good idea, at least for some papers … I just wish it was not so expensive." -**John Salamone**, Psychology

# A Sampling of UConn Faculty Open Access Authors

| Name | Department | Gold OA articles | Green OA articles |
|---|---|---|---|
| Emmanouil Anagnostou | Civil and Environmental Engineering | 15 | - |
| Ashis Basu | Chemistry | 23 | 57 |
| Craig Coleman | Pharmacy | 25 | 155 |
| Dipak Dey | Statistics | 4 | 24 |
| Sanguthevar Rajasekaran | Engineering | 28 | 58 |
| John Salamone | Psychology | 13 | 99 |
| Carolyn Teschke | Molecular and Cell Biology (MCB) | 5 | 46 |
| Kumar Venkitanarayanan | Animal Science | 15 | 72 |
| David Wagner | Ecology and Evolutionary Biology | 8 | 18 |

# OpenCommons@UConn




- Since 2005, visitors to our institutional repository have downloaded a total of **4,588,007 documents!**

- Top countries:
  - United States
  - United Kingdom
  - India
  - Philippines
  - Canada
  - China
  - Australia
  - Germany
  - France

Type of content downloaded: Theses/Dissertations | Post & Pre-prints Articles| Conference Proceedings | Presentations | Reports

# **OpenCommons:** Most Downloaded Articles (2005- 2018)

| Title | Downloads | Cited* |
|---|---|---|
| Eagly, Alice H. and Johnson, Blair T., "Gender and Leadership Style: A Meta-Analysis" (1990). *CHIP Documents*. 11. | 149,112 | 3,270 |
| Bui, Timothy, "Explicit and Implicit Methods In Solving Differential Equations" (2010). *Honors Scholar Theses*. 119. | 77,670 | 11 |
| Huedo-Medina, Tania et al., "Assessing Heterogeneity in Meta-Analysis: Q Statistic or I2 Index?" (2006). *CHIP Documents*. 19 | 74,867 | 1,675 |
| Granito, Mark and Chernobilsky, Ellina, "The Effect of Technology on a Student's Motivation and Knowledge Retention" (2012). *NERA Conference Proceedings* 2012. 17. | 73,677 | 33 |
| Ercole, Jacqueline, "Labeling in the Classroom: Teacher Expectations and their Effects on Students' Academic Potential" (2009). *Honors Scholar Theses*. 98. | 60,006 | 8 |
| Jarrin, Olga F., "An Integral Philosophy and Definition of Nursing" (2007). *School of Nursing Scholarly Works*. 47. | 57894 | 33 |

***Data: Google Scholar**

# Recent Developments in Open Access

- “Coalition of European Funders Announces ‘Plan S’ to Require Full OA, Cap APCs, & Disallow Publication in Hybrid Journals” (SPARC site, September 4, 2018)

- Dutch Universities, Journal Publishers Agree on Open-Access Deals (*The Scientist Magazine*, April 17, 2018)

# To Learn more about OA

SPARC: Advancing Open Access, Open Data, Open Education, https://sparcopen.org/

Creative Commons: When We Share, Everyone Wins, https://creativecommons.org/

Directory of Open Access Journals, https://doaj.org/