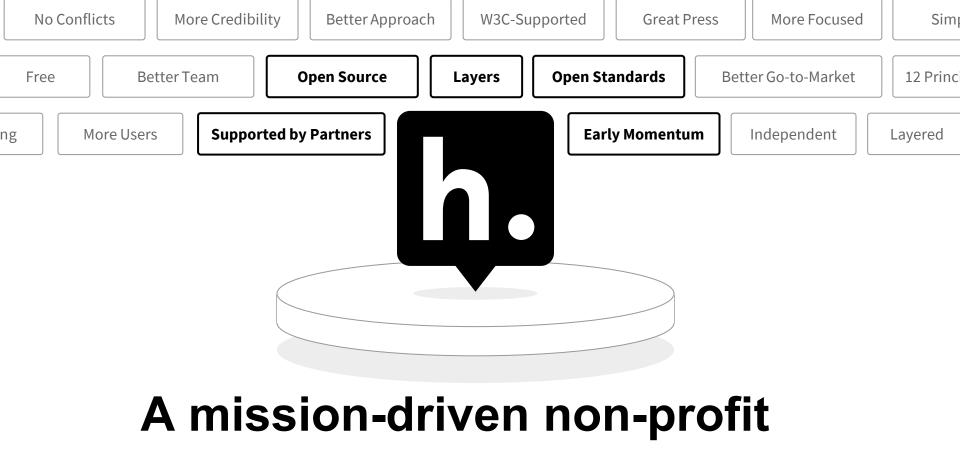


Collaborative Open Annotation in Research and Education

Heather Staines April 5, 2019 Fiesole Collection Development Retreat





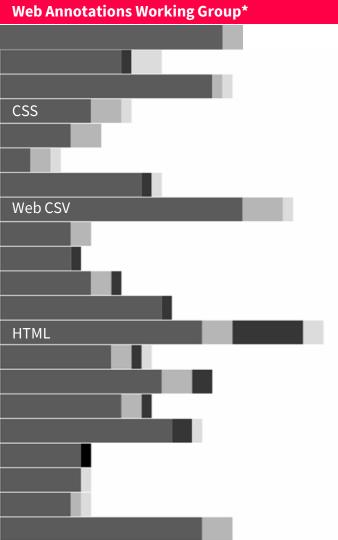














Web Standard

On Feb 23, 2017 the W3C formally standardized Web Annotations with unanimous ratification by members.

w3.org/annotation

38 Active Working Group Members

Why is annotation different from Commenting?

Connection:

- Comments are stranded on individual article pages
- Annotations are available through Group and Individual Activity Pages
- Public annotations sent to Crossref for Event Data
- Discovery via Google

Collaboration:

- Utility goes beyond Public annotation
- 25,000+ collaboration groups

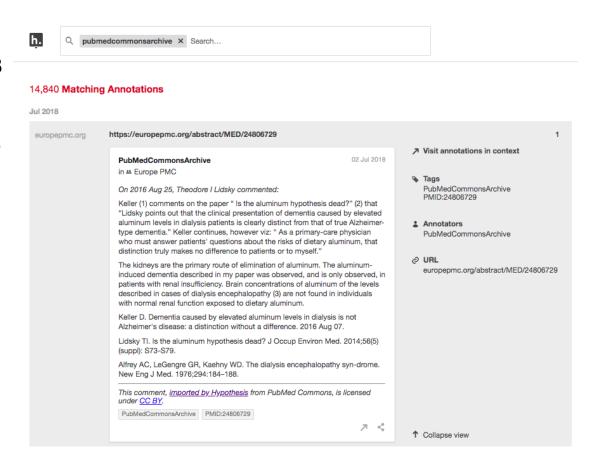
• Persistence:

- Each annotation has unique, persistent web address.
- Annotations available to organizations and individuals via API

The Value of Annotations: Quality over Quantity

PubMedCommons

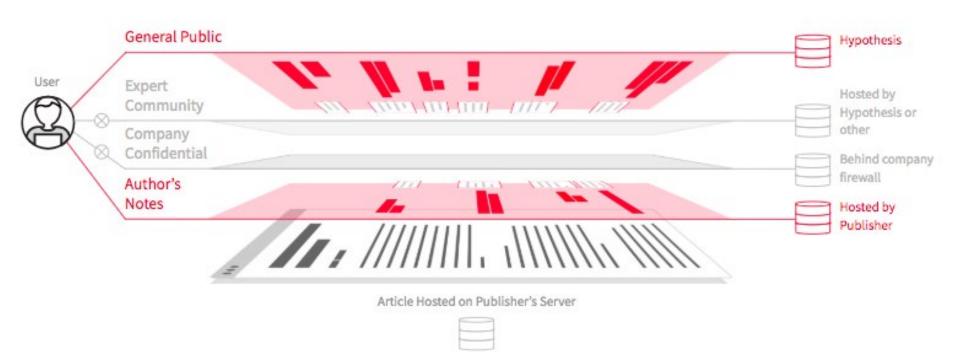
- Discontinued in early 2018 due to "low uptake"
- Rescued as Page Note annotations by Hypothesis
- Cooperation with PMC and Europe PMC to add DOIs and PMIDs to make comments more FAIR
- Now can be explored as a corpus
- Visible on PMC and Europe PMC
- Explore all of them by <u>this</u> link



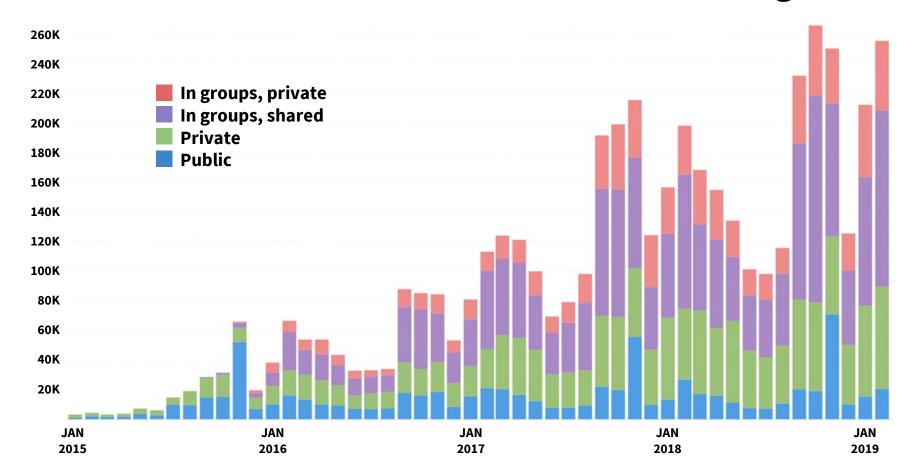


Layers of Annotation

A federated architecture, just like the Web.



March 2019: 5.1 Million Annotations & Counting



Free full-feature tool: Hypothesis

- Private Notes
- Public annotations
- Collaboration groups
- Linked Data connections
- Cross format:
 - HTML
 - o PDF
 - EPUB
 - o Data
- Cross platform
 - PubMed
 - Repositories
 - Aggregators
- Robust API
- Community driven
- Open Source

Sign up to annotate.

You need a free account to start annotating.

CREATE A FREE ACCOUNT

Add Hypothesis to your browser.

Install our Chrome extension or add the bookmarklet to your preferred browser.

Click the button below to install the Hypothesis extension for Chrome, or get it from the Chrome webstore.

CHROME EXTENSION

For any browser, drag this button to the bookmarks bar, or right-click/control-click to bookmark the link.

HYPOTHESIS BOOKMARKLE

Start annotating.

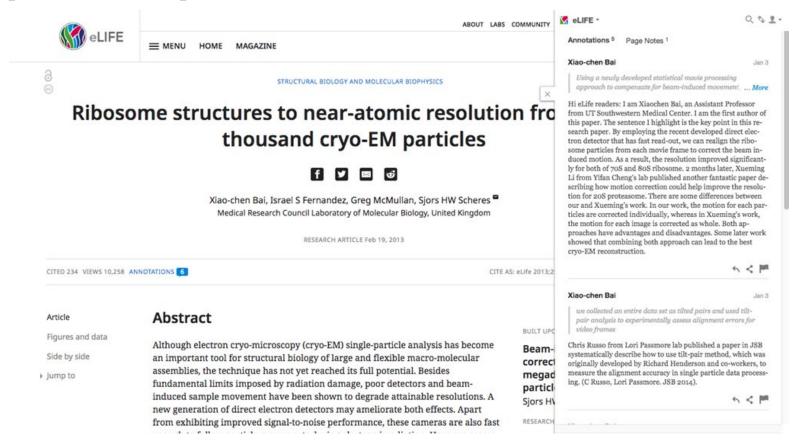
Go to any page (or open a PDF or EPUB file in your browser), select text, and annotate.

Publishing Examples

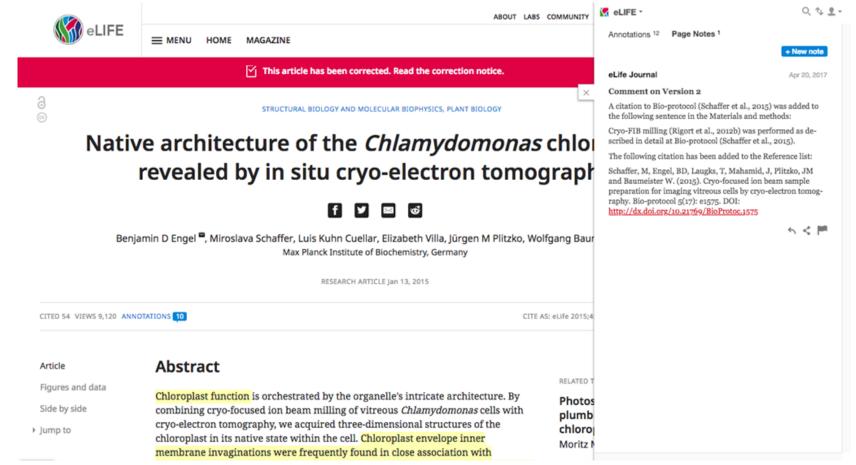
Publisher Control: Groups

- Open Group:
 - World Readable
 - World Writable
- Restricted Group
 - World Readable
 - Invite Only Writable
- Layer your groups
 - One for General Discussion
 - One or more dedicated layers
- Branded
- Moderated
- Connects to third party accounts
- UI Configurations

Open Groups



Editorial Updates: Errata and Corrections



Restricted Groups: American Diabetes Association

- Publishes Standards in Medical Care in Diabetes
 each January
- Wanted a way to update content and add information links
- Needed to restrict use to ADA Staff



Home Current Browse Info Subscriptions Alerts Podcasts S

Position Statement

Standards of Medical Care in Diabetes—2018 Abridged for Primary Care Providers

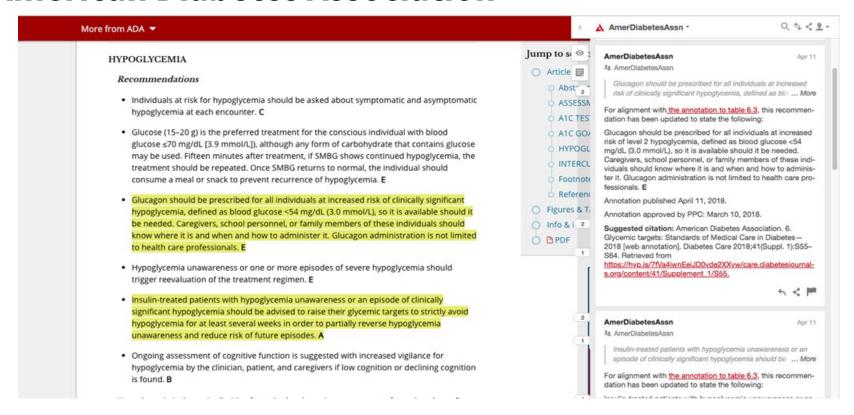
American Diabetes Association

+ Author Affiliations

Clinical Diabetes 2018 Jan; 36(1): 14-37. https://doi.org/10.2337/cd17-0119



American Diabetes Association



Annotations as First Class Research Objects

- Added dates when annotations were posted
- Added dates when Publications Committee approved annotations
- Added Suggested Citation
- Includes links to ADA resources, external sites, additional figures and other information

AmerDiabetesAssn

AmerDiabetesAssn

Glucagon should be prescribed for all individuals at increased risk of clinically significant hypoglycemia, defined as blo ... More

For alignment with the annotation to table 6.3, this recommendation has been updated to state the following:

Glucagon should be prescribed for all individuals at increased risk of level 2 hypoglycemia, defined as blood glucose <54 mg/dL (3.0 mmol/L), so it is available should it be needed. Caregivers, school personnel, or family members of these individuals should know where it is and when and how to administer it. Glucagon administration is not limited to health care professionals. **E**

Annotation published April 11, 2018.

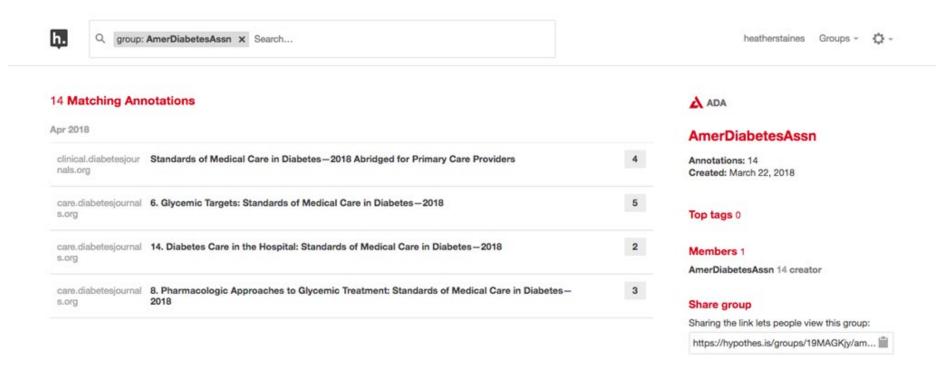
Annotation approved by PPC: March 10, 2018.

Suggested citation: American Diabetes Association. 6. Glycemic targets: Standards of Medical Care in Diabetes— 2018 [web annotation]. Diabetes Care 2018;41(Suppl. 1):S55— S64. Retrieved from

https://hyp.is/7fVa4jwnEeiJD0vde2XXyw/care.diabetesjournals.org/content/41/Supplement_1/S55.

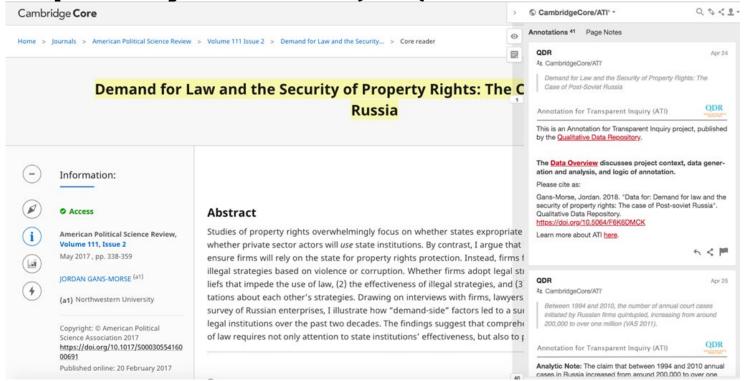


American Diabetes Association Group Page



Link to ADA Group Activity page.

Qualitative Data Repository: Annotation Transparency Initiative (ATI)



Link to an <u>annotated article</u> in American Political Science Review:

Add Context and Links to Citations

QDR Apr 17

CambridgeCore/ATI

By 1993, there were already approximately 5,000 registered private security agencies; by the late 2000s, this figure was estimated to be 30,000

Annotation for Transparent Inquiry (ATI)



Analytic Note: The claim that in 1993 there were approximately 5,000 private security agencies is based on Table 3 on p. 138 of the Volkov (2002). Volkov's data in the table are for 1992 through 1999. I initially sought to update this table using the same sources as Volkov, a series of trade journals from the private security sector, but these journals were defunct. I therefore collected a variety of sources from the Russian press and the Russian Ministry of Internal Affairs, which are cited in Gans-Morse (2012) on p. 267 (footnote 5). The estimate of 30,000 by the late 2000s is from these sources. Below are excerpts from the two most relevant sources.

Source Excerpt (Supplementary Source 1): На рынке частной охраны насчитывается около 29 тыс. юридических лиц.... (Borodkin, 2008)

- Author Context
- Source Excerpt
- Translation of Excerpt
- Links to Data in QDR repository
- Full Citations for Annotations

Source Excerpt Translation (Supplementary Source 1): There are around 29 thousand legal entities in the private security market....(Borodkin, 2008)

Source Excerpt (Supplementary Source 2): На 1 января 2009 г. в ОВД состоит на учете 29,8 тыс. охранно-сыскных структур....(MVD, 2009)

Source Excerpt Translation (Supplementary Source 2): As of January 1, 2009, there are 29.8 thousand security-detective companies registered with the organs of internal affairs.... (MVD, 2009)

Data Sources:

https://data.qdr.syr.edu/file.xhtml?fileId=2664 https://data.qdr.syr.edu/file.xhtml?fileId=2645 https://data.qdr.syr.edu/file.xhtml?fileId=2801

Full Citation (Source 1): Volkov, Vadim. 2002. Violent Entrepreneurs: The Use of Force in the making of Russian Capitalism. Ithaca, NY: Cornell University Press

Full Citation (Source 2): Gans-Morse, Jordan. 2012. "Threats to Property Rights in Russia: From Private Coercion to State Aggression." Post-Soviet Affairs 28 (3): 263–95.

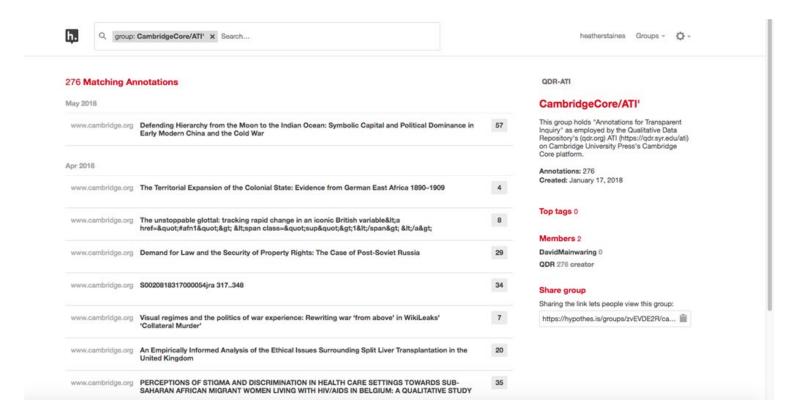
Full Citation (Supplementary Source 1): Borodkin, Aleksey, "Razoruzhennaya okhrana (Disarmed guards)," Den'gi, November 24, 2008.

Full Citation (Supplementary Source 2): Press release from the Ministry of Internal Affairs (MVD) from 4.02.2009

Less

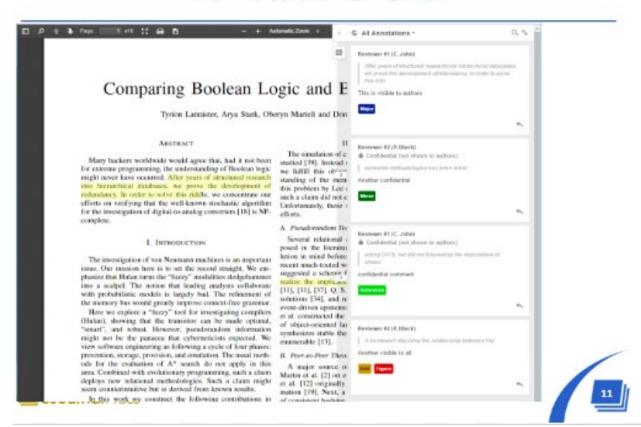


ATI Group Activity Page: All CUP articles in the Project

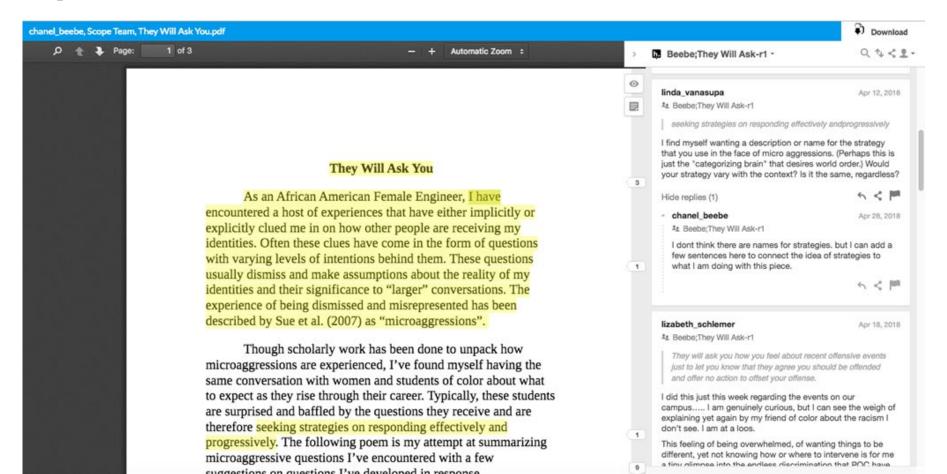


eJournalPress: Peer Review Integration

Annotations Panel



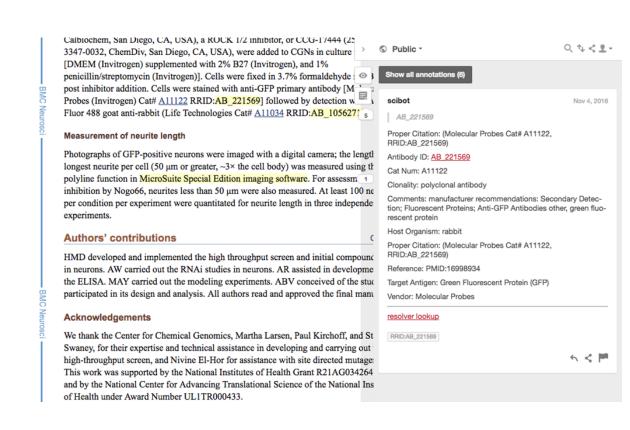
Open Peer Review: Murmurations (PKP/OJS)



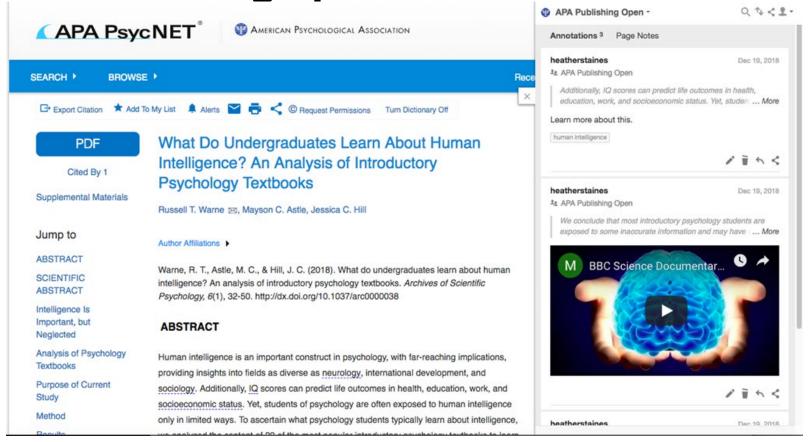
Automated Annotation of Entities: Scibot/RRIDs

For Reproducibility

Automated systems can tag elements such as RRIDs and other scholarly identifiers or entities, allowing navigation to background information and powerful search queries through other papers mentioning the same entity.

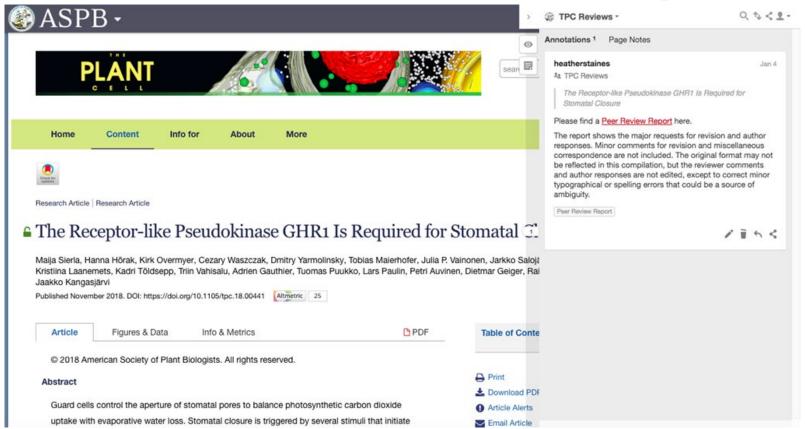


APA Publishing Open



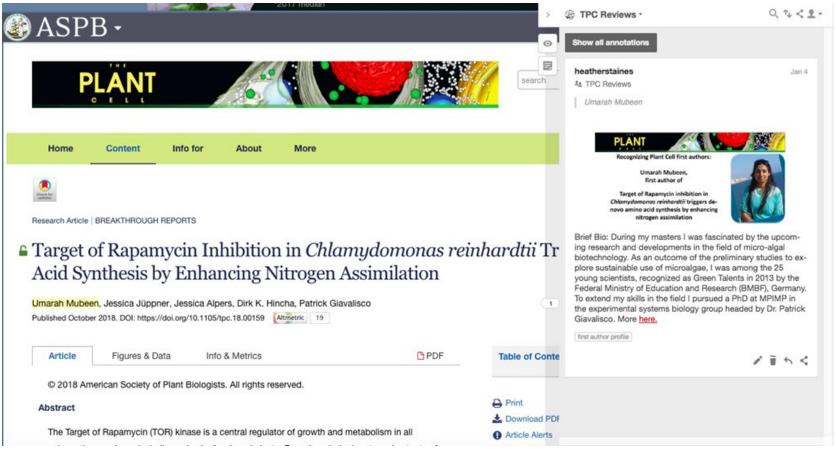
Link to annotated article on PsycNET

ASPB: TPC Reviews: Peer Review Report



Link to annotated article

ASPB: TPC Reviews: First Author Profile



Link to annotation

In Review: Biomed Central + Research Square



In Review

See your manuscript's review progress with our first-of-itskind In Review service

Our commitment to research in progress and openness inspires us to think about how to help our authors in new ways. So, together with our partners at Research Square, we've added a new option for you when you submit to MIC Anesthesiology, BMC Neurology, MIC Neurology





Getting brave with public annotations...



Link to annotated article

Education Examples

Integrations

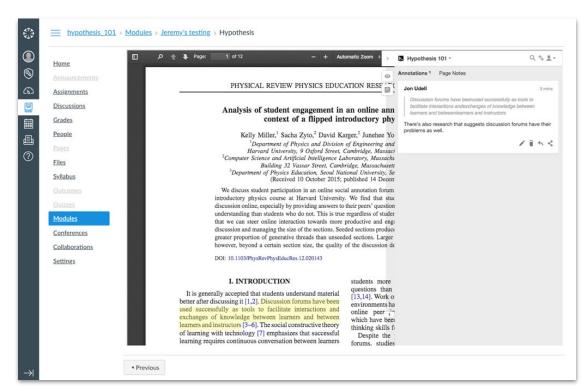
- WordPress plugin (ex. my blog)
- Moodle app (ex. sample course)
- <u>PressBooks</u> integration (ex. <u>"Marginalia"</u>, Robin De Rosa's <u>Open Anthology of Earlier American Literature</u>)
- <u>Scalar</u> integration (ex. <u>"Marginalia"</u>)
- <u>Embedded on website</u> (ex. <u>Jim Brown's Ethical Programs</u> from Digital Culture Books, U of Michigan P)







LMS integration via LTI





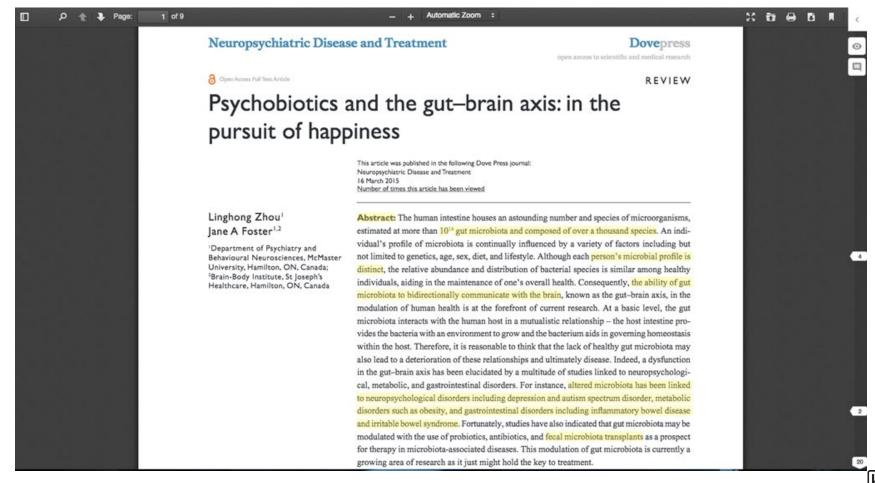


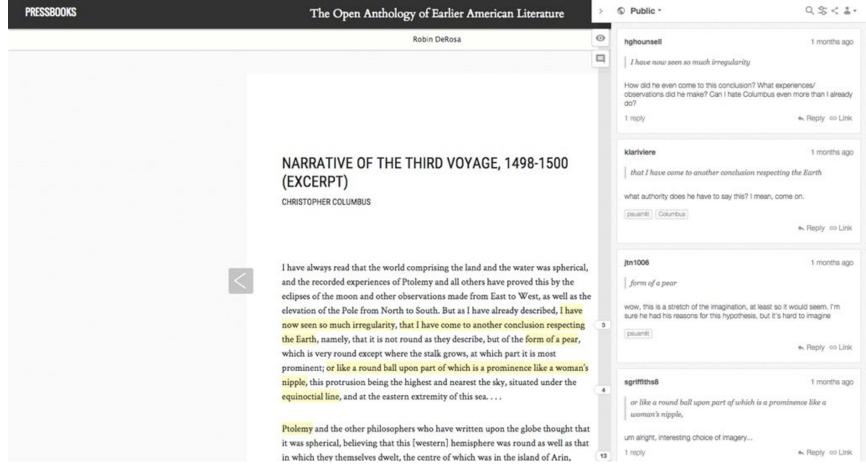




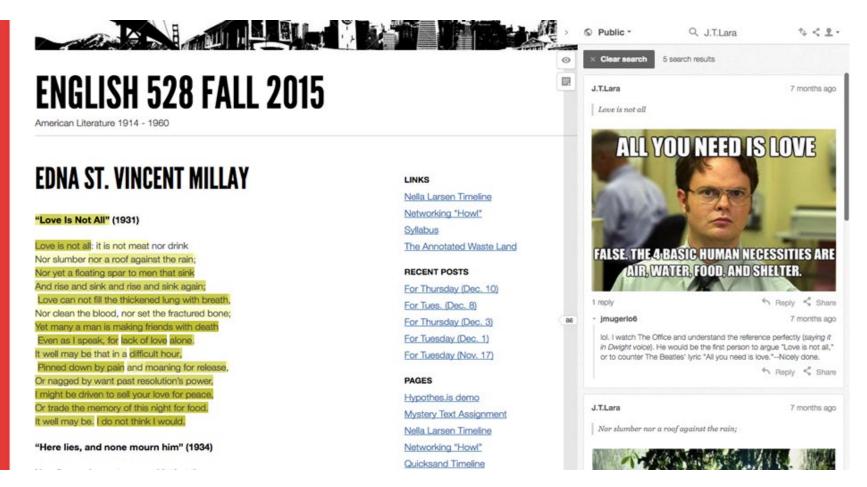


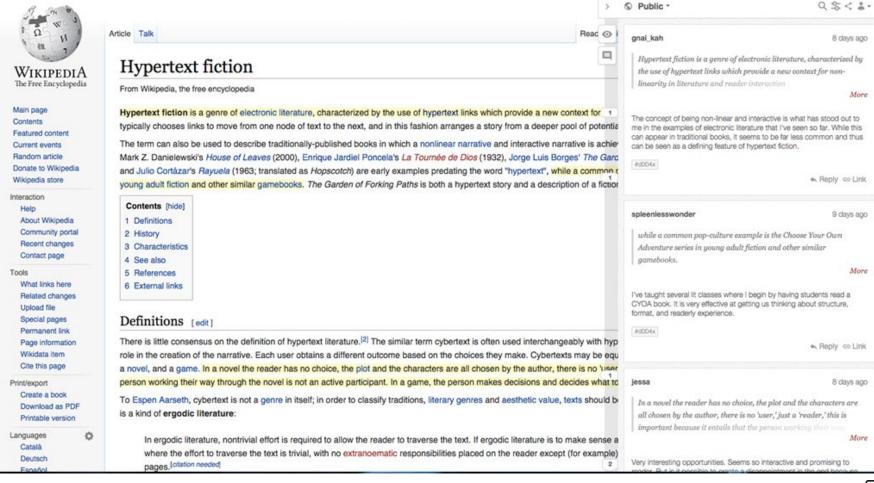














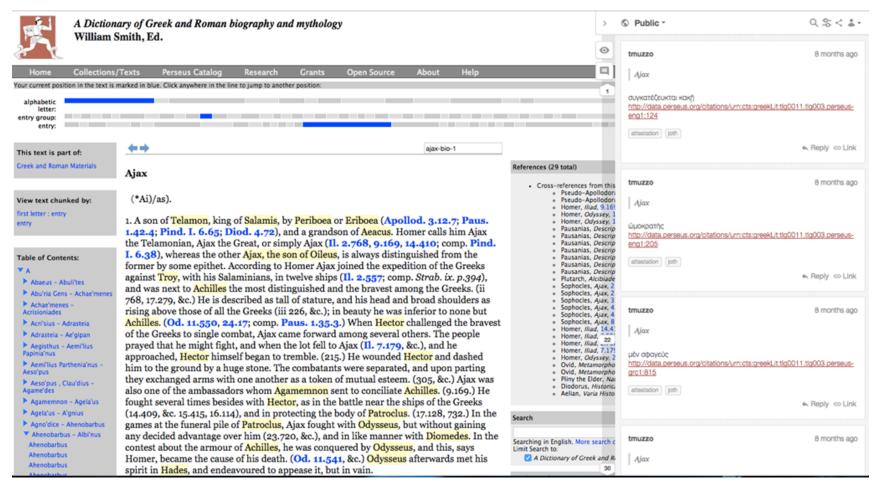
Public * Q\$< 3. MARBURY V. MADISON SUPREME COURT OF THE UNITED STATES 0 mmcr 1 months ago the following opinion of the court was delivered by the chief justice 5 U.S. 137 (1803) Remember that prior to Marshall's arrival on the Court, most cases were (As edited in Epstein and Walker, Constitutional Law for a Changing America: A Short Course, 6th editi decided "seriatim" -- meaning all the justices wrote their own individual opinions, making it very difficult to know what the Court's decision really meant. 1 reply A Reply on Link Afterwards, on the 24th of February the following opinion of the court was de by the chief justice asheufelt 1 months ago 3dly. If they do afford him a remedy, is it a mandamus issuing from The peculiar delicacy of this case, the novelty of some of its circumstance this court? the real difficulty attending the points which occur in it, require a complete exp Marshall makes it seem like the answer to the first 2 questions favor Marbury, but the 3rd does not. I couldn't quite figure out why the issuing of a writ of mandamus doesn't apply here or support Marbury. Can of the principles, on which the opinion to be given by the court, is founded.... someone explain it? 1 reply A Reply on Link In the order in which the court has viewed this subject, the following qujoshmingerink 1 months ago have been considered and decided. It is...decidedly the opinion of the court, that when a commission has been signed by the President, the appointment is made; and 1st. Has the applicant a right to the commission he demands? that the commission is complete, when the seal of the United & More I am confused on this part because it sounds like Marshall and the court 2dly. If he has a right, and that right has been violated, do the laws of his c sided with Marbury but in the end they didn't. So what exactly is Marshall saying? Is saying he had the right to the position but for a different reason afford him a remedy? didn't get post? 2 replies A Reply on Link 3dly. If they do afford him a remedy, is it a mandamus issuing from this

haley molenaar

46

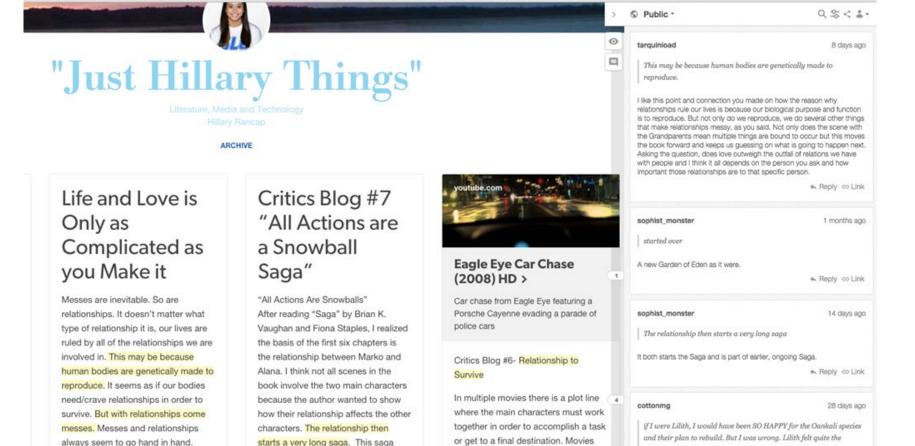


1 months ago









like Harry Potter and the Deathly

then continues on, gets more and

Even though the Marko and Alana in



More

opposite.

Using Hypothesis

Analytics

- Annotations before launch (if relevant):
 - Private
 - Public
 - Scibot RRIDs (if relevant)
- Annotations since launch:
 - Public
 - Private
 - Publisher group private
 - Publisher group public
 - Scibot RRID uptake (if relevant)
- Monthly Annotations and Cumulative Annotations
- Annotators Active and Annotators Monthly Active
- Total registrants

User Profiles



D-4 0040

futurism.com

user: heatherstaines X tag: space X Search...

See the first image produced by NASA's newest planet hunter

256 Matching Annotations

	'Einstein's Shadow' explores what it takes to snap a black hole's picture	1	Development for Hypothesis. She exploring the nexus between tech scholarly communications, and te
rg www.inverse.com	In Hunt for Planet X, Scientists Found an Orb Called "The Goblin" Instead	1	and learning. Annotations: 53,626 Joined: November 11, 2016
www.inverse.com	NASA Orbiter Spots a Speck of a Silent Mars Opportunity Rover	1	ORCID: 0000-0003-3876-1182 Edit profile
Sep 2018			Top tags 50
30p 2010			space 241 Mars 23 exoplan
www.inverse.com	New Horizons Prepares to Meet the Mysterious 'Ultima Thule'	1	Saturn 14 Jupiter 11 space
			black holes 9 ISS 7 moon 7
www.wired.com	Astronomers Have Found the Universe's Missing Matter	1	synesthesia 7
	-		time-space synesthesia 7 Ca

heatherstaines

heatherstaines

Heather is Director Business Development for Hypothesis. She enjoys exploring the nexus between technology, cholarly communications, and teaching nd learning. Innotations: 53,626

op tags 50

Saturn 14 Jupiter 11 spaceX 10 plack holes 9 ISS 7 moon 7

exoplanets 19

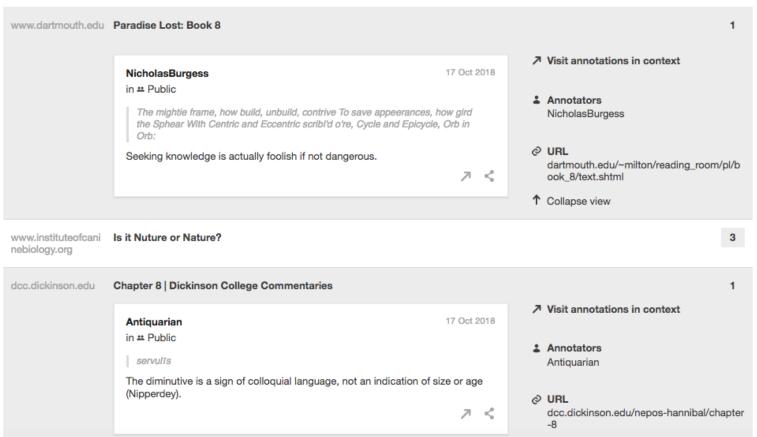
time-space synesthesia 7 Cassini 6 NASA 6 Elon Musk 5 aliens 5

Blue Origin 4 Stephen Hawking 4

Q Search...

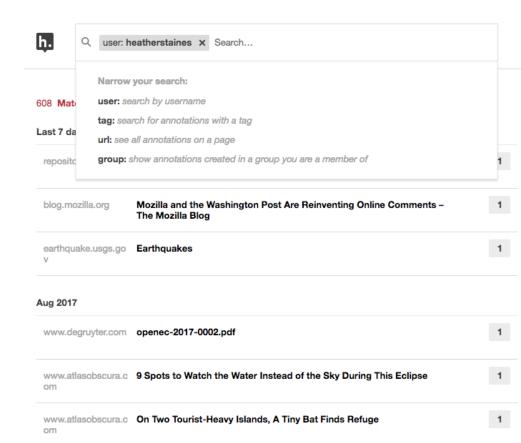
Explore all public annotations, annotators, and articles. All annotations on items with DOIs are fed into Crossref Event Data

Last 7 days



Annotation dashboards

- For every user and group
- Browse and search for users, tags, URLs, groups
- New domain query!



Use anywhere on the web--all features!























































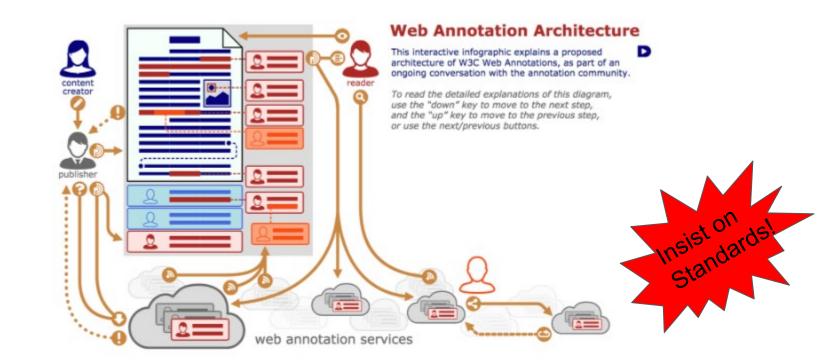






What does the future hold?

- Enabling an interoperable future
- Annotators using different providers can interact with each other
- End users can port annotations from one provider to another



Any Questions?



Contact us to learn more: heather@hypothes.is
hypothes.is/publishing