

# Perma.cc

{ Stopping linkrot in scholarship one citation at a time

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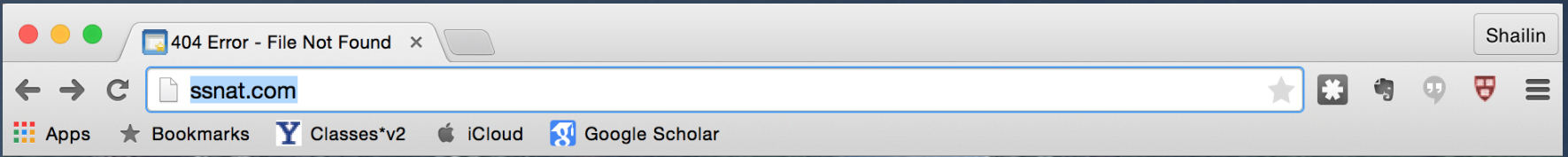
HARVARD LAW REVIEW

HARVARD LAW REVIEW FORUM

# Perma: Scoping and Addressing the Problem of Link and Reference Rot in Legal Citations

How to make legal scholarship more permanent

..... x .....



## 404 Error - File Not Found

Aren't you glad you didn't cite to this webpage in the Supreme Court Reporter at *Brown v. Entertainment Merchants Association*, 131 S.Ct. 2729, 2749 n.14 (2011). If you had, like Justice Alito did, the original content would long since have disappeared and someone else might have come along and purchased the domain in order to make a comment about the transience of linked information in the internet age.

And if you quoted this in the NY Times, will you do a correction for the now changed text?



## Websites Change, Go Away and Get Taken Down

Perma.cc helps scholars, journals and courts create permanent links to the online sources cited in their work. [Here's an example.](#)

CREATE AN ACCOUNT

### HARVARD LAW REVIEW

viewability — to argue that NOV's are *also* subject to immediate judicial review.<sup>299</sup> Although it remains to be seen whether the argument gets any traction, it is by no means frivolous. Its acceptance would se-

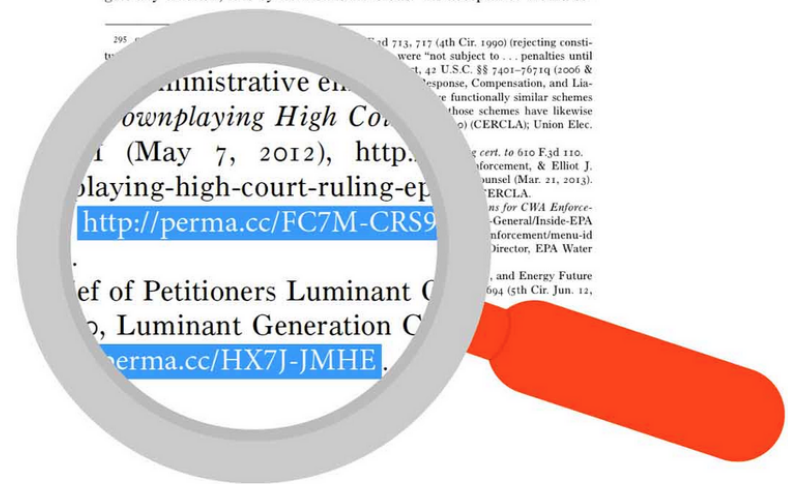
295 ... and 713, 717 (4th Cir. 1990) (rejecting consti-  
tutional challenge to ... penalties until  
... 42 U.S.C. §§ 7401-7671q (2006 &  
... Administrative en- ... response, Compensation, and Lia-  
... are functionally similar schemes  
... those schemes have likewise  
... (CERCLA; Union Elec.

... cert. to 610 F.3d 110.  
... enforcement, & Elliot J.  
... counsel (Mar. 21, 2013).  
... CERCLA.

... ns for CWA Enforce-  
... General/inside-EPA  
... nforcement/menu-id  
... Director, EPA Water

... and Energy Future  
... 694 (5th Cir. Jun. 12,

of Petitioners Luminant C  
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<http://perma.cc/HX7J-JMHE>





## Create a Perma archive

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Built & Run by Libraries

## Create a Perma archive

\*

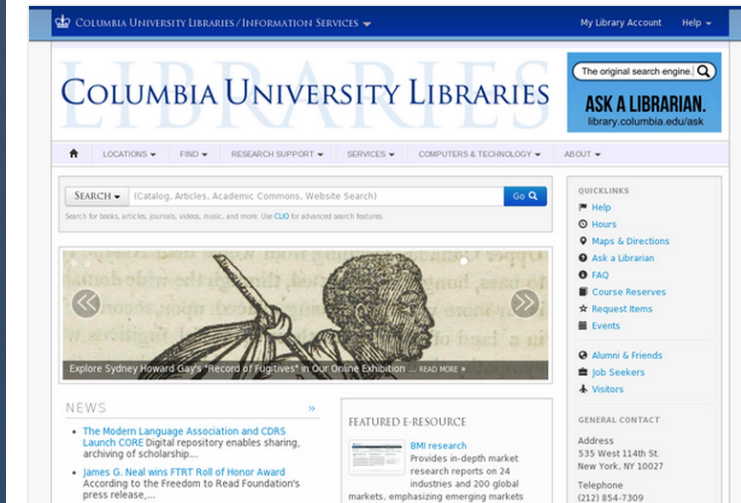


Archive not as expected? [Upload your own](#)

## Success!

You're halfway there. To make this archive permanent, review and vest it.


<http://perma.cc/8L9H-5MZH>



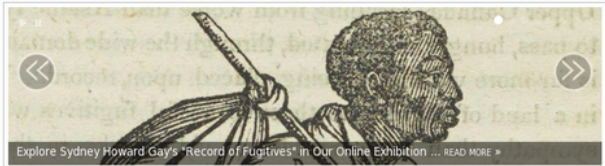
# COLUMBIA UNIVERSITY LIBRARIES

The original search engine.  **ASK A LIBRARIAN.**  
library.columbia.edu/ask

- LOCATIONS
- FIND
- RESEARCH SUPPORT
- SERVICES
- COMPUTERS & TECHNOLOGY
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SEARCH (Catalog, Articles, Academic Commons, Website Search)   

Search for books, articles, journals, videos, music, and more. Use [CLIO](#) for advanced search features.




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- Help
  - Hours
  - Maps & Directions
  - Ask a Librarian
  - FAQ
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  - Request Items
  - Events
  - Alumni & Friends
  - Job Seekers
  - Visitors

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- [The Modern Language Association and CDRS Launch CORE Digital repository enables sharing, archiving of scholarship...](#)
  - [James G. Neal wins FTRT Roll of Honor Award According to the Freedom to Read Foundation's press release...](#)
  - [Arthur Mitchell Collection Comes to RBML Dance Pioneer Arthur Mitchell, founder of the Dance Theatre...](#)
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### III. FOREIGN RELATIONS LAW AS ORDINARY LAW

Perhaps the biggest concern about normalization is that treating foreign relations as akin to ordinary domestic law would undermine the important justifications for exceptionalism: expertise, speed, secrecy, flexibility, error costs, and the nature of the subject matter. In this Part, we evaluate these justifications and show that the case for exceptionalism is weak. Foreign affairs issues, it turns out, raise the same competing separation of powers values that arise in the domestic context, and the purported differences between foreign and domestic affairs are often overstated.

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<sup>235</sup> See, e.g., Chimene Keitner, *Kiobel Insta-Symposium: The ATS After Kiobel: Less Bark but More Bite?*, OPINIO JURIS (Apr. 18, 2013, 12:27 AM), <http://opiniojuris.org/2013/04/18/kiobel-insta-symposium-the-ats-after-kiobel-less-bark-but-more-bite> [<http://perma.cc/L346-NB92>]; Peter Spiro, *In Other Supreme Court News: Political Question Doctrine Takes a Hit in Jerusalem Passport Case*, OPINIO JURIS (Mar. 26, 2012, 11:49 AM), <http://opiniojuris.org/2012/03/26/in-other-supreme-court-news-political-question-doctrine-takes-a-hit-in-jerusalem-passport-case> [<http://perma.cc/77P4-MMQH>]; Ernie Young, *Medellín v. Texas: Another Set of Early Thoughts*, OPINIO JURIS (Mar. 25, 2008, 4:36 PM), <http://opiniojuris.org/2008/03/25/medellin-v-texas-another-set-of-early-thoughts> [<http://perma.cc/2TSP-R7BR>].

*Boumediene* further instructs us to look at the political history of a location to understand how the United States might exercise control. Here, the control exercised in cross-border shootings reflects broader U.S. customs and border protection policies that expand U.S. control *beyond* the nation's territorial

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<sup>9</sup> See also *More Accounts Emerge Following Deadly Border Shooting*, Nogales International, Jan. 6, 2011, <http://perma.cc/Q335-QL34> (reporting that a Border Patrol agent shot and killed Mexican national Ramses Barron Torres, 17, who was standing in Nogales, Mexico); Office of Public Affairs, Dep't of Justice, *Federal Officials Close the Investigation into the Death of Ramses Barron-Torres*, Aug. 9, 2013, <http://perma.cc/6Z3U-4MWJ> (concluding that Barron-Torres was "on the Mexico side of the border fence when he was shot"); Office of Public Affairs, Dep't of Justice, *Federal Officials Close the Investigation into the Death of Carlos LaMadrid*, Aug. 9, 2013, <http://perma.cc/H64L-AYD4> (declining to prosecute Border Patrol agent who fired at individual across border shot and killed U.S. citizen Carlos Madrid, 19, who was in the line of fire); R. Stickney, *ACLU Calls for Probe in Border Shooting*, NBC San Diego, June 22, 2011, <http://perma.cc/TMD5-EMAQ> (reporting that Border Patrol agent shot and killed Mexican national Jose Alfredo Yanez Reyes on Mexican side of border fence near San Diego, California).



REF

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# THE BLUEBOOK

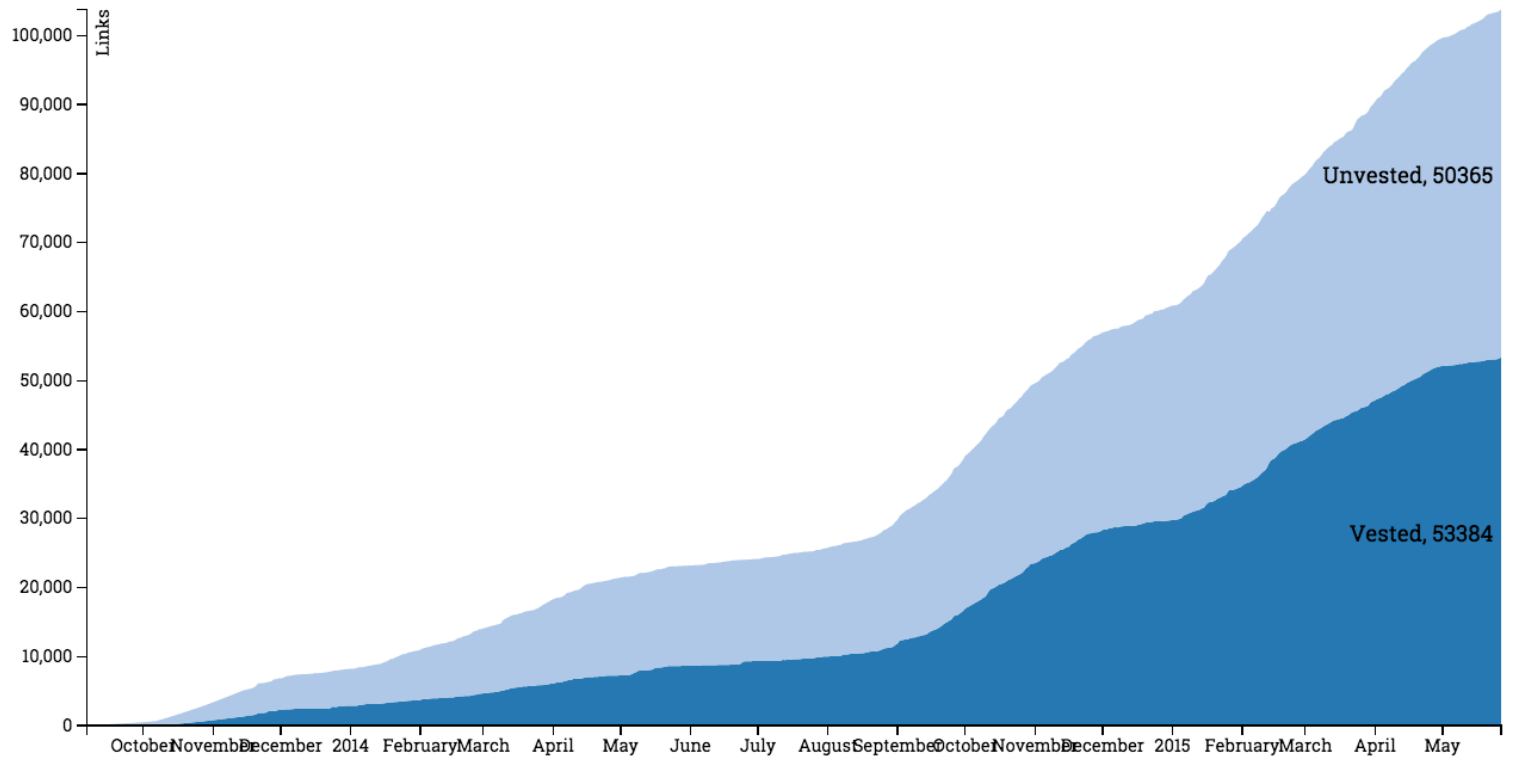
A Uniform System of Citation



Nineteenth Edition

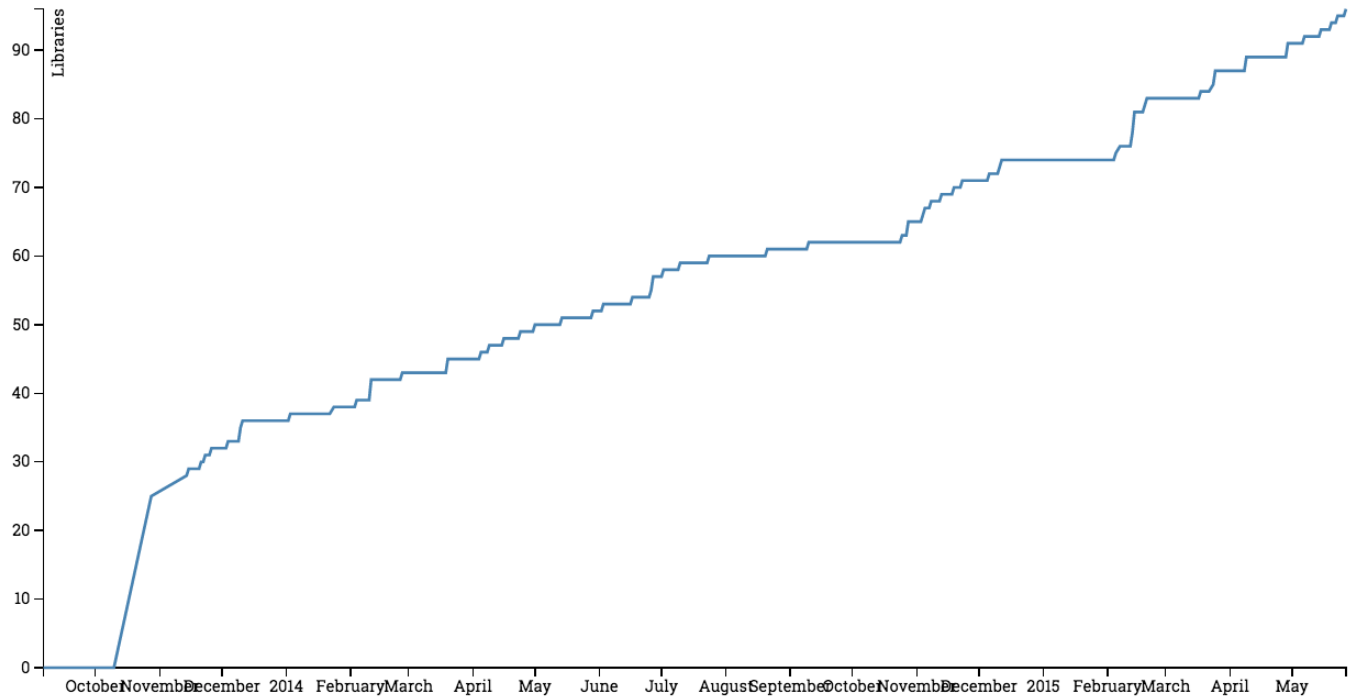


## The links



All links (vested, unvested, dark and non-dark archive). 103749 in total.

## The libraries



All libraries. 96 in total.


{PermaTech




# Perma.cc is API driven

<https://perma.cc/docs/developer>

# Perma.cc is API driven

perma.cc  sthomas -

Create a Perma archive





POST `https://api.perma.cc/v1/archives/`  
`{url: "http://library.columbia.edu/"}`

<https://perma.cc/docs/developer>

# Perma.cc is API driven



PATCH <https://api.perma.cc/v1/archives/8L9H-5MZH/>  
{dark\_archived: "True"}

<https://perma.cc/docs/developer>



# Perma.cc is API driven

The screenshot shows the Perma.cc web interface. At the top left is the logo "perma.cc" with an infinity symbol. To the right are buttons for "CREATE" and "Registrar". Below the logo is the heading "Your Perma links".

The main content area is divided into two sections. On the left is a "Folders" sidebar with a tree view containing "My Links", "Default Vesting Orga", "Registrar Membe", "Vesting Manager", "Vesting Member", and "Training Law Review". Above the sidebar are icons for adding, editing, and deleting links. On the right is a "Search Links" box with a search icon.

The central part of the interface displays a table of links:

Link	Title	Created
<a href="http://perma.cc/4S8T-MKGT">http://perma.cc/4S8T-MKGT</a> <a href="http://cnn.com">http://cnn.com</a> Expires on May. 29, 2017 unless vested	Breaking News, U.S., World, Weather, Entertainment & Video News - CNN.com	May. 29, 2015

Below the table, a detailed view of the selected link is shown. It includes a "Display title:" field with the text "Breaking News, U.S., World, Weath", a "Notes:" field, and a "Move to folder:" dropdown menu currently set to "- My Links". A "Hide" button is located at the bottom right of this view.

<https://perma.cc/docs/developer>

# Why are APIs cool?

<https://perma.cc/docs/developer>

# Why are APIs cool?

 AMBER

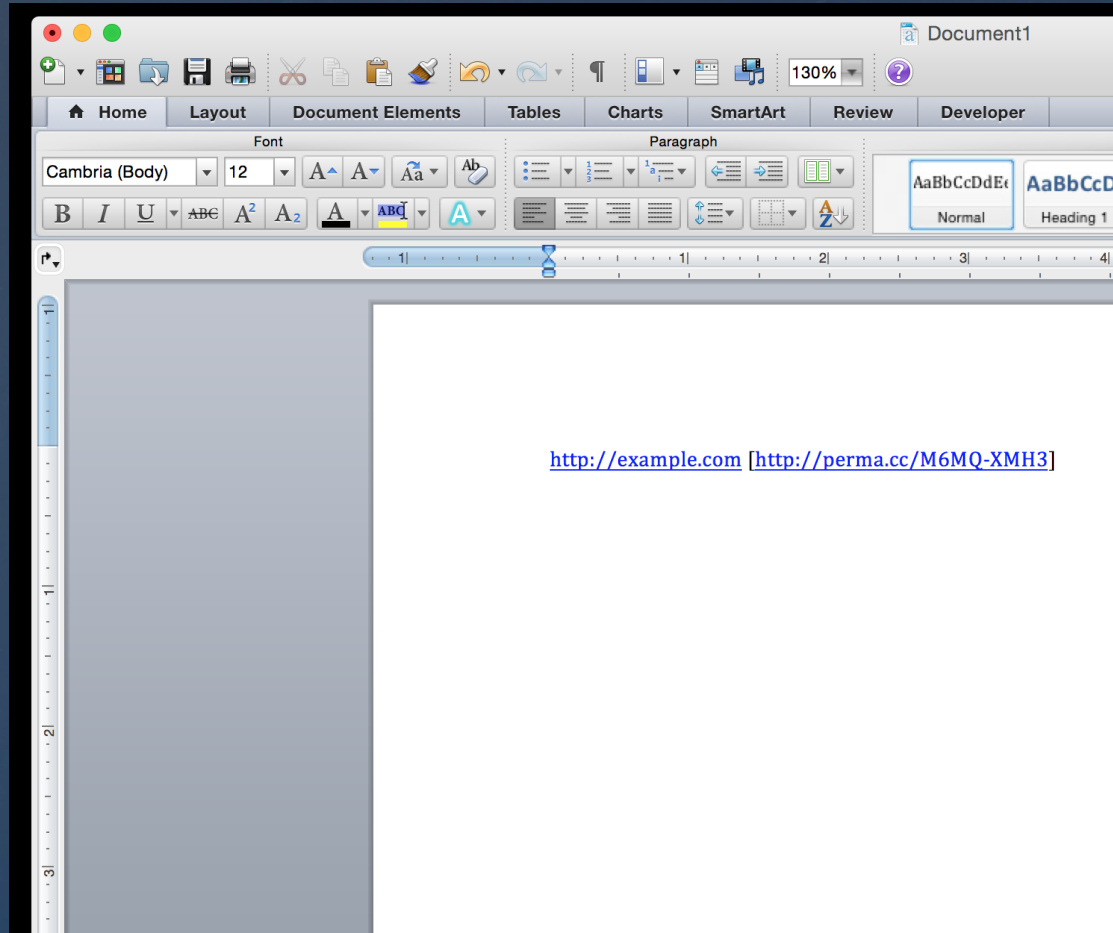
<http://amberlink.org/>



<https://perma.cc/docs/developer>



# Why are APIs cool?



<https://perma.cc/docs/developer>

# Why are APIs cool?

```
python perma_export.py --key <perma_api_key> --  
output-dir <the/output/directory>
```

<https://perma.cc/docs/developer>

# Why are APIs cool?

Memento support:

[http://perma.cc/warc/\\*/http://example.com](http://perma.cc/warc/*/http://example.com)

<https://perma.cc/docs/developer>



# Why are APIs cool?



<https://canarywatch.org/>

<https://perma.cc/docs/developer>

# Why are APIs cool?

You tell us.

<https://perma.cc/docs/developer>

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