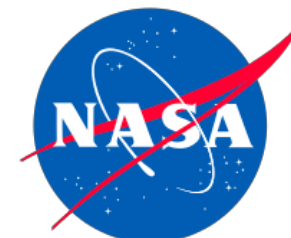
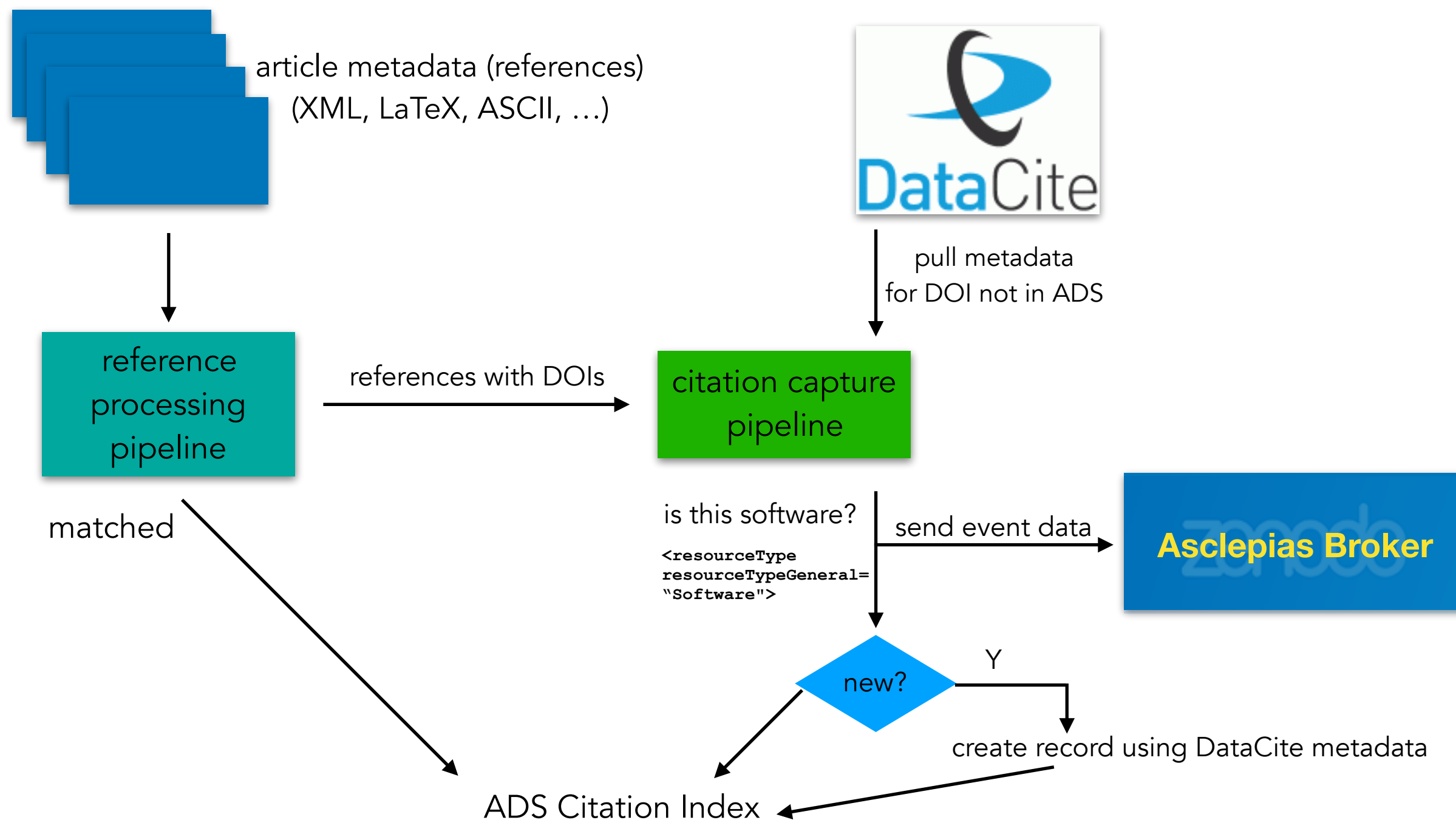


Asclepias - Astrophysics Data System

Edwin Henneken & the ADS Team

URSSI Workshop - January 2019





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1 ☐ 2014zndo.....11813N 2014/09 cited: 80
LMFIT: Non-Linear Least-Square Minimization and Curve-Fitting for Python
Newville, Matthew and 3 more

2 ☐ 2015zndo.....27878D 2015/08 cited: 63
Lasagne: First Release.
Dieleman, Sander and 22 more

3 ☐ 2014zndo.....11020F 2014/07 cited: 45
Triangle.Py V0.1.1
Foreman-Mackey, Dan and 7 more

4 ☐ 2014zndo.soft11020F 2014/07 cited: 39
triangle.py: triangle.py v0.1.1
Foreman-Mackey, Dan and 7 more

5 ☐ 2016zndo.....45906F 2016/02
Corner.Py: Corner.Py V1.0.2
Foreman-Mackey, Dan and 16 more

6 ☐ 2016zndo.soft45906F 2016/02
corner.py: corner.py v1.0.2
Foreman-Mackey, Dan and 16 more

7 ☐ 2014zndo.....12710W 2014/11
Seaborn: V0.5.0 (November 2015)
Waskom, Michael and 2 more

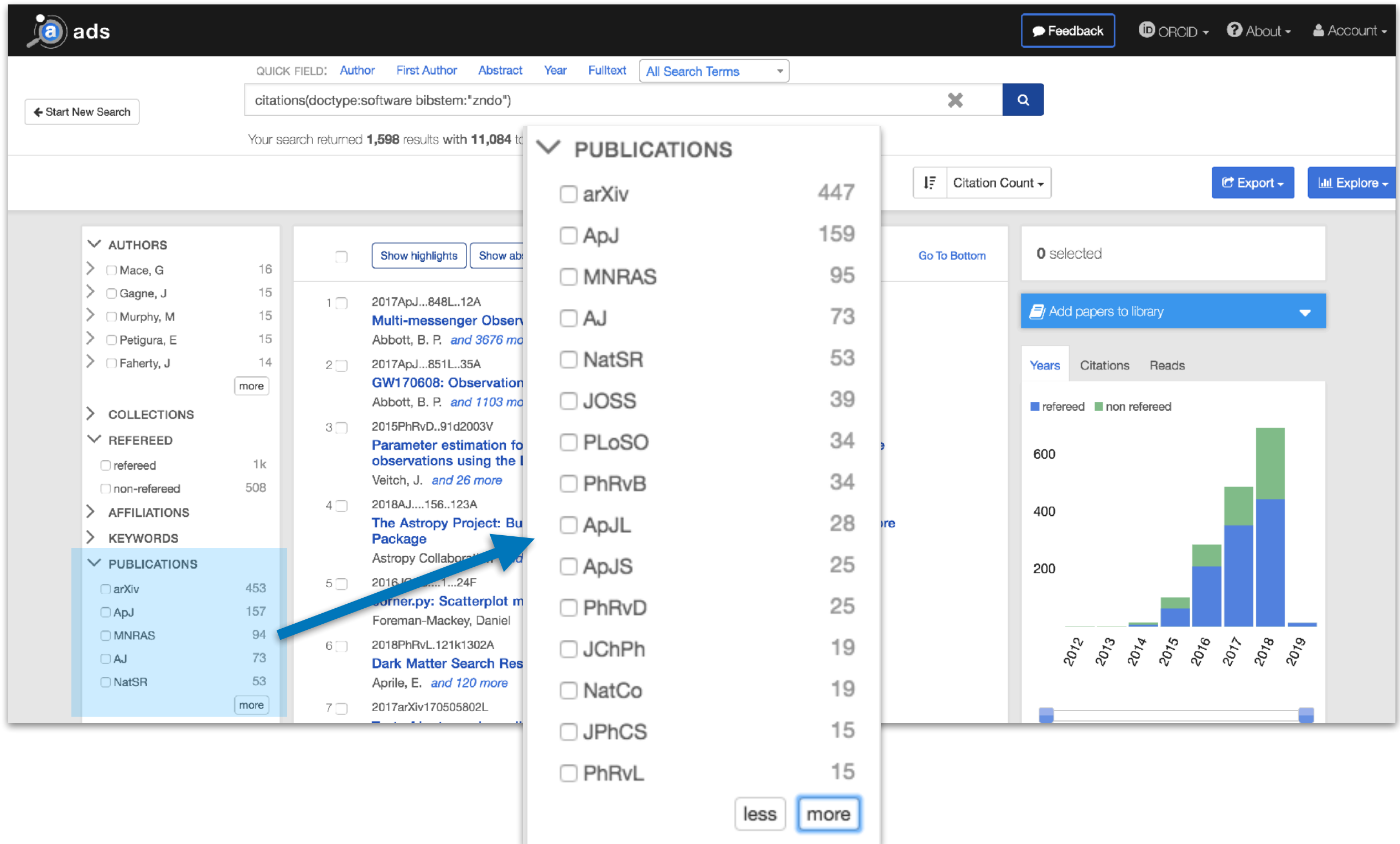
8 ☐ 2014zndo.....137F 2014/10 cited: 17
Fython-Fsps: Python Bindings To Fsps (V0.1.1)
Foreman-Mackey, Dan and 2 more

9 ☐ 2017zndo.....170284G 2017/01 cited: 14
Cantera: An Object-Oriented Software Toolkit For Chemical Kinetics, Thermodynamics, And Transport Processes. Version 2.3.0
Goodwin, David G and 2 more

10 ☐ 2016zndo.....45133W 2016/01 cited: 13
Seaborn: V0.7.0 (January 2016)
Waskom, Michael and 29 more

Where are the citations coming from?

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QUICK FIELD: Author First Author Abstract Year Fulltext All Search Terms

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doctype:software bibstem:zndo



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Abstract

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Seaborn: V0.5.0 (November 2014)

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[Waskom, Michael](#) (*Stanford University*); [Botvinnik, Olga](#) (*UCSD*); [Hobson, Paul](#) (-); [Cole, John B](#) (-); [Halchenko, Yaroslav](#) (*Dartmouth College*); [Hoyer, Stephan](#) (*The Climate Corporation*); [Miles, Alistair](#) (*University of Oxford*); [Augspurger, Tom](#) (-); [Yarkoni, Tal](#) (*University of Texas*); [Megies, Tobias](#) (-); [Coelho, Luis Pedro](#) (*European Molecular Biology Laboratory (EMBL)*); [Wehner, Daniel](#) (<http://daweher.github.com/>); [cynddl](#) (-); [Ziegler, Erik](#) (*Centre de Recherches du Cyclotron, Université de Liège*); [diego0020](#) (-); [Zaytsev, Yuri V](#) (*Bugre Porter and the Order of Linus*); [Hoppe, Travis](#) (*National Institutes of Health (NIH), NIDDK*); [Seabold, Skipper](#) (*American University*); [Cloud, Phillip](#) (*Continuum Analytics*); [Koskinen, Miikka](#) (-) ; ...

This is a major release from 0.4. Highlights include new functions for plotting heatmaps, possibly while applying clustering algorithms to discover structured relationships. These functions are complemented by new custom colormap functions and a full set of IPython widgets that allow interactive selection of colormap parameters. The palette tutorial has been rewritten to cover these new tools and more generally provide guidance on how to use color in visualizations. There are also a number of smaller changes and bugfixes. Plotting functions Added the heatmap function for visualizing a matrix of data by color-encoding the values. See the docs for more information. Added the clustermap function for clustering and visualizing a matrix of data, with options to label individual rows and columns by colors. See the docs for more information. This work was lead by Olga Botvinnik. Implot and pairplot get a new keyword argument, markers. This can be a single kind of marker or a list of different markers for each level of the hue variable. Using different markers for different hues should let plots be more comprehensible when reproduced to black-and-white (i.e. when printed). See the github pull request for examples. More generally, there is a new keyword argument in FacetGrid and PairGrid, hue_kws. This similarly lets plot aesthetics vary across the levels of the hue variable, but more flexibly. hue_kws should be a dictionary that maps the name of keyword arguments to lists of values that are as long as the number of levels of the hue variable.

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Examples of citations we cannot capture

From *A&A* 613, A62 (2018) :

Droettboom, M., Caswell, T. A., Hunter, J., et al. 2017, <https://zenodo.org/record/1098480>

From *IEEE Transactions on Image Processing* 28, 1837 (2019) :

67. *ECO Code*, 2018, [online] Available: <https://github.com/martin-danelljan/ECO>.
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Example of ambiguous citation:

From *ApJ* 866, 67 (2018) :

Foreman-Mackey, D. 2016, *JOSS*, 24, doi:[10.5281/zenodo.45906](https://doi.org/10.5281/zenodo.45906)

Asclepias - Zenodo

Lars Holm Nielsen & the Zenodo Team

URSSI Workshop - January 2019

zenodo



5400 (almost) deduplicated citations to Zenodo DOIs

The screenshot displays the Zenodo interface for the LMFIT software. The top section shows the software title, version, and statistics (2,177 views, 39 downloads). Below this, a list of citations is shown, each with a title, author, year, and links to ADS, ARXIV, and DOI. A callout bubble points to the 'Citations' section, stating 'Citations with version roll-up'. Another callout bubble points to the search bar, stating 'Search & filter citations'. A third callout bubble points to the 'ADS' link for a citation, stating 'Access citing resource'.

Citations
with version roll-up

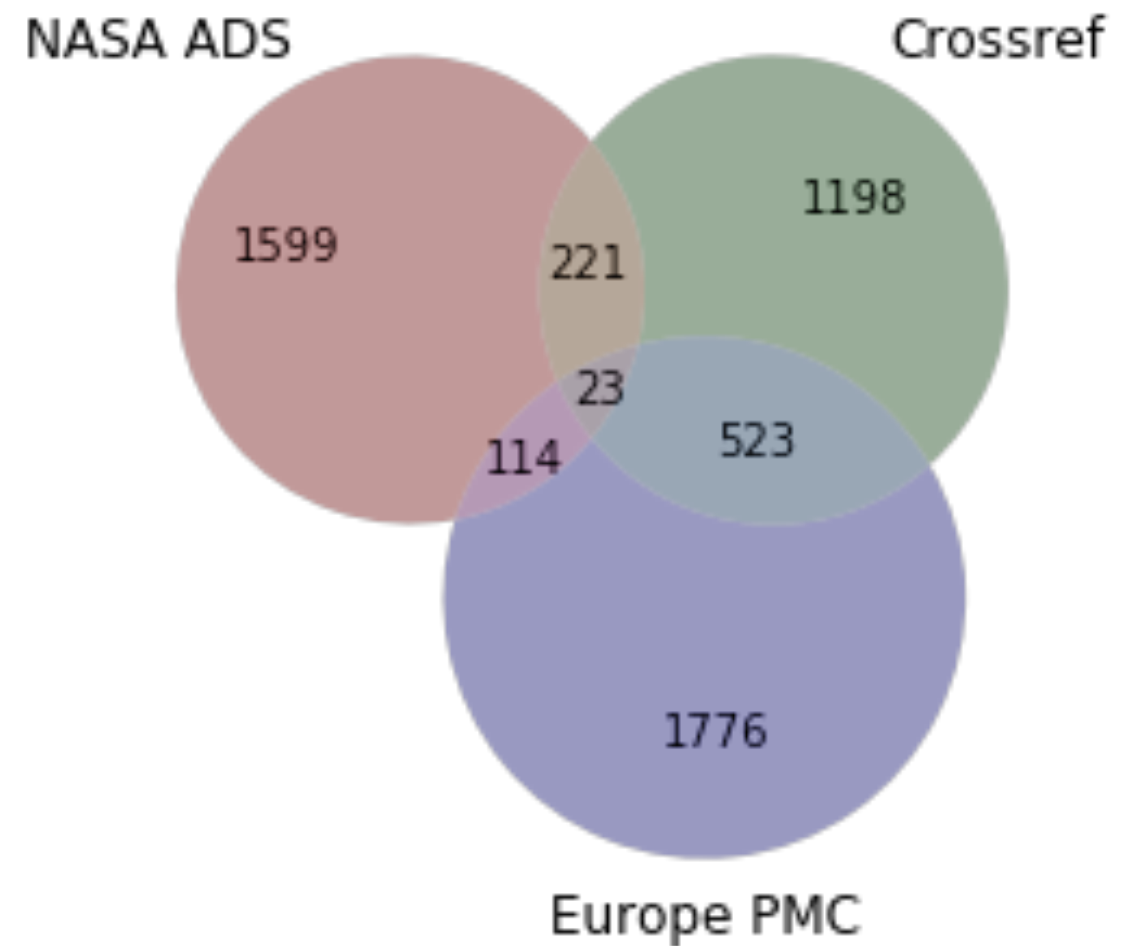
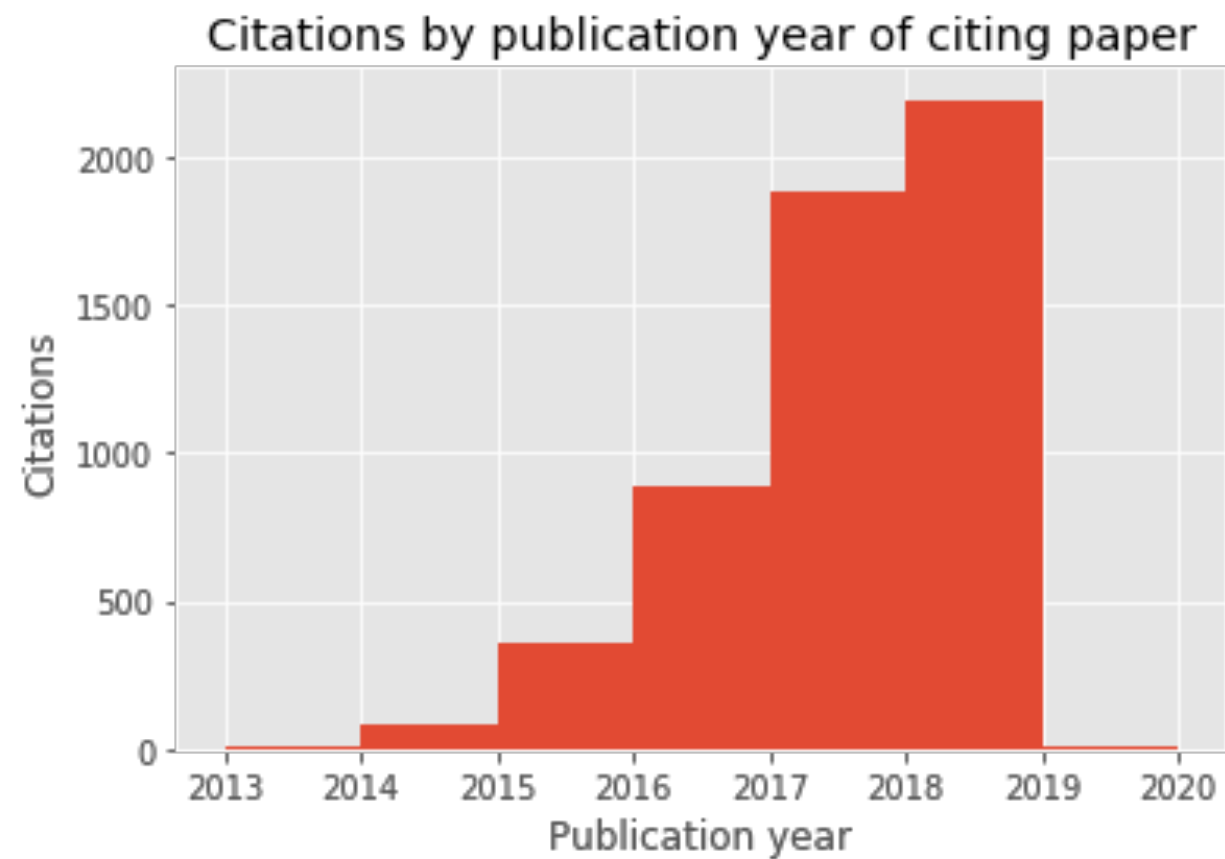
Search & filter
citations

Access
citing resource

Systematically Measuring Ultra-diffuse Galaxies (SMUDGes). I. Sur...	2018	ADS	ARXIV	DOI
Zaritsky, Dennis et al. (doi: 10.3847/1538-4365/aafef9)				
K2-264: A transiting multi-planet system in the Praesepe open clu...	2018	ADS	ARXIV	DOI
Livingston, John H et al. (doi: 10.1093/mnras/sty3464)				
Modeling and predicting total hydrogen adsorption in nanoporous c...	2018	ADS	DOI	
Lam, Stephen T. et al. (doi: 10.1016/j.jnuclmat.2018.09.009)				
Sixty Validated Planets from K2 Campaigns 5–8	2018	ADS	ARXIV	DOI
Livingston, John H. et al. (doi: 10.3847/1538-3881/aaf778)				
Toward a Measurement of the Transverse Peculiar Velocity of Galax...				
Truebenbach, Alexandra E. & Darling, Jeremy (doi: 10.3847/1538-4357/aaf830)				
The California-Kepler Survey. VII. Precise Planet Radii Leveragin...	2018	ADS	ARXIV	DOI
Fulton, Benjamin J. & Petigura, Erik A. (doi: 10.3847/1538-3881/aaf828)				
Correlating structural distributions in silica glass with two-dim...	2018	ADS	DOI	
Srivastava, Deepansh J. et al. (doi: 10.1103/PhysRevB.98.134202)				
Simultaneous Spectral Energy Distribution and Near-infrared Inter...	2018	ADS	ARXIV	DOI
Davies, Claire L. et al. (doi: 10.3847/1538-4357/aaf511)				
Testing strong line metallicity diagnostics at z ~ 2	2018	ADS	ARXIV	DOI
Patricio, V et al. (doi: 10.1093/mnras/sty2508)				
The gravitational redshift of Sirius B	2018	ADS	ARXIV	DOI
Joyce, S R G et al. (doi: 10.1093/mnras/sty2404)				

Disclaimer: Some data cleaning still in progress

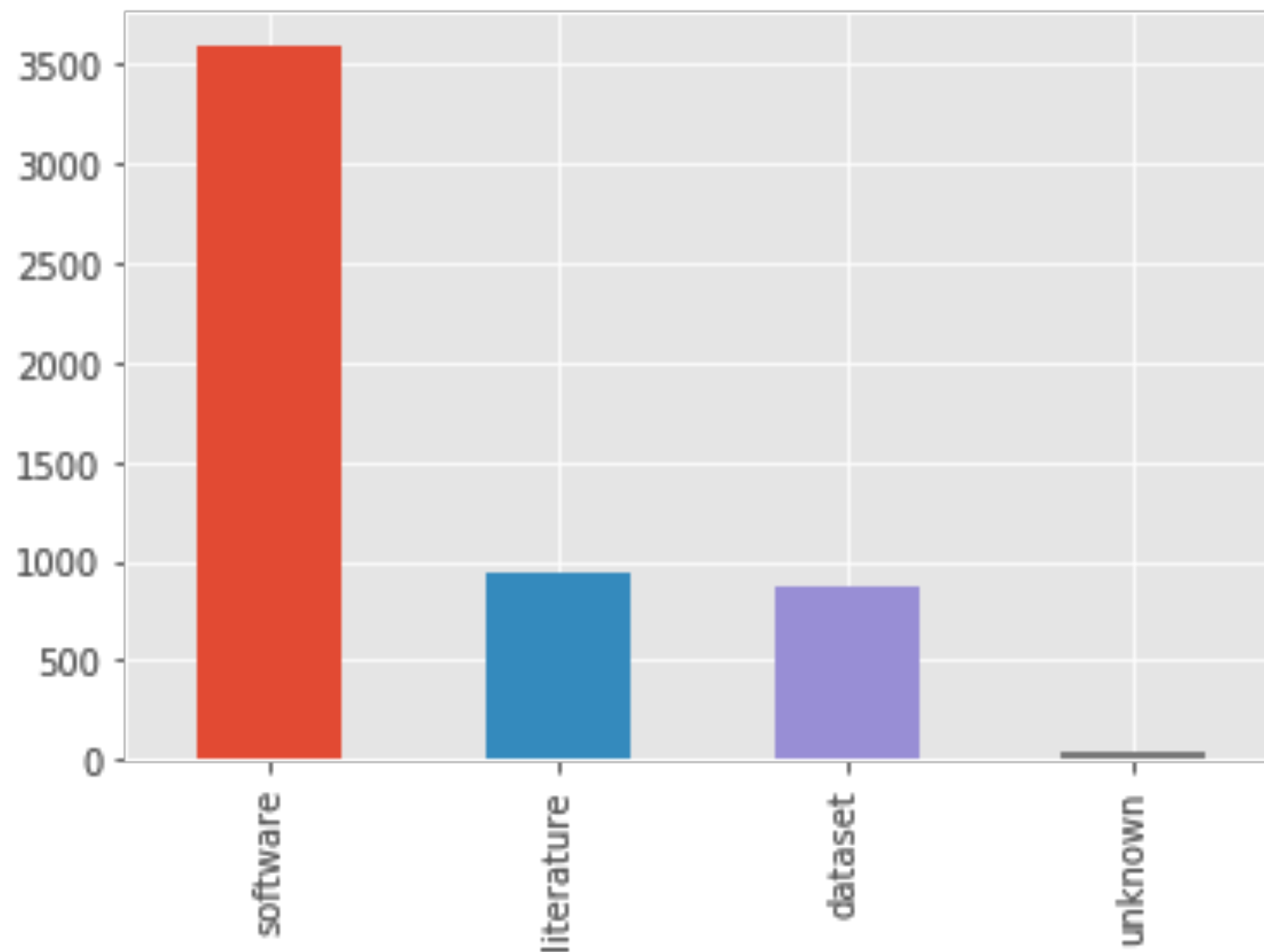
Where do you find citations to **Zenodo DOIs**? (1/2)



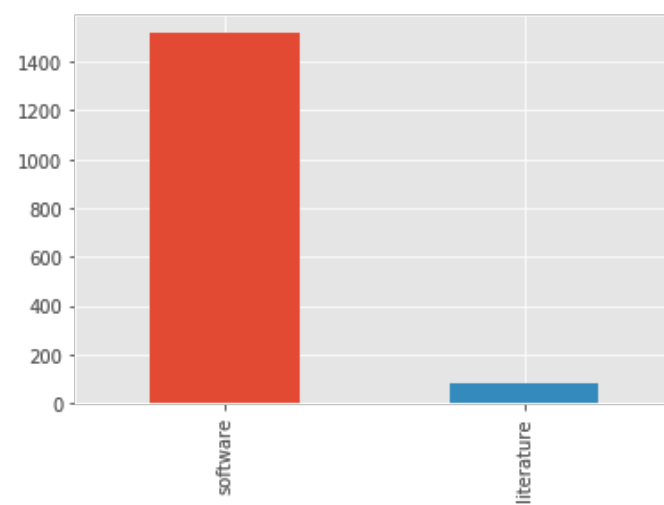
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Springer Nature	747
F1000 Research, Ltd.	541
arXiv e-prints	535
American Astronomical Society	348
Public Library of Science (PLOS)	303
Pensoft Publishers	258
Oxford University Press (OUP)	248
Frontiers Media SA	172
PeerJ	167
Elsevier BV	166
Springer Nature America, Inc	159
Wiley	145
IOP Publishing	145
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Springer International Publishing	127
American Physical Society (APS)	117
American Chemical Society (ACS)	102
American Geophysical Union (AGU)	91
The Royal Society	74
Copernicus GmbH	70
Informa UK Limited	62
The Open Journal	58
Proceedings of the National Academy of Sciences	57
eLife Sciences Publications, Ltd	56
Royal Society of Chemistry (RSC)	52
AIP Publishing	51
International Union of Crystallography (IUCr)	22
Genetics Society of America	21
American Association for the Advancement of Science (AAAS)	18
American Society for Microbiology	18

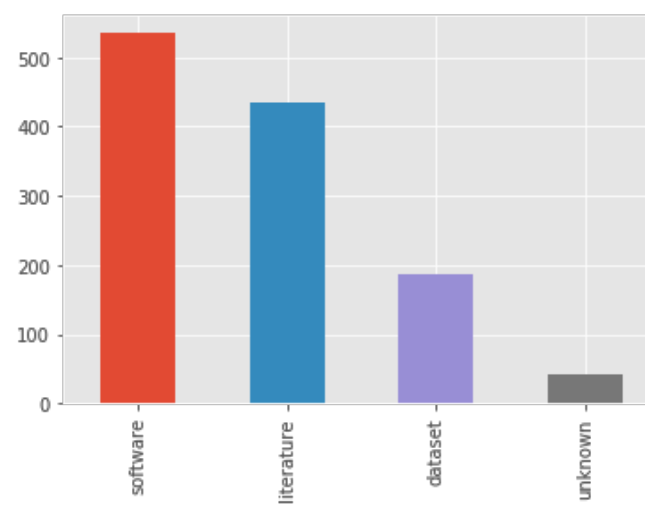
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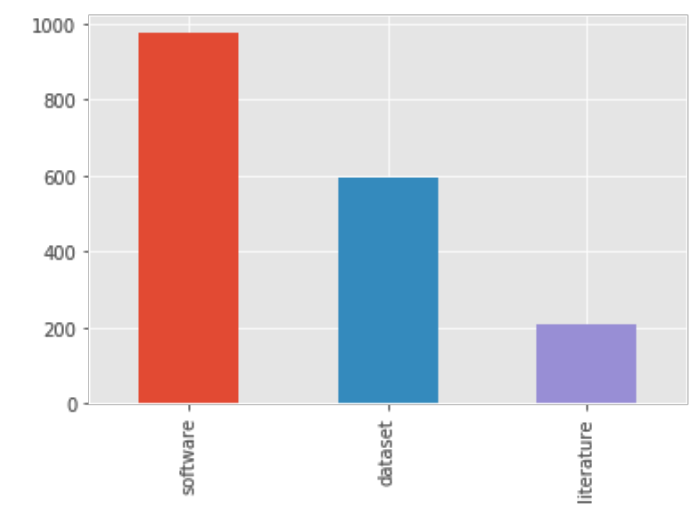
NASA ADS



Crossref



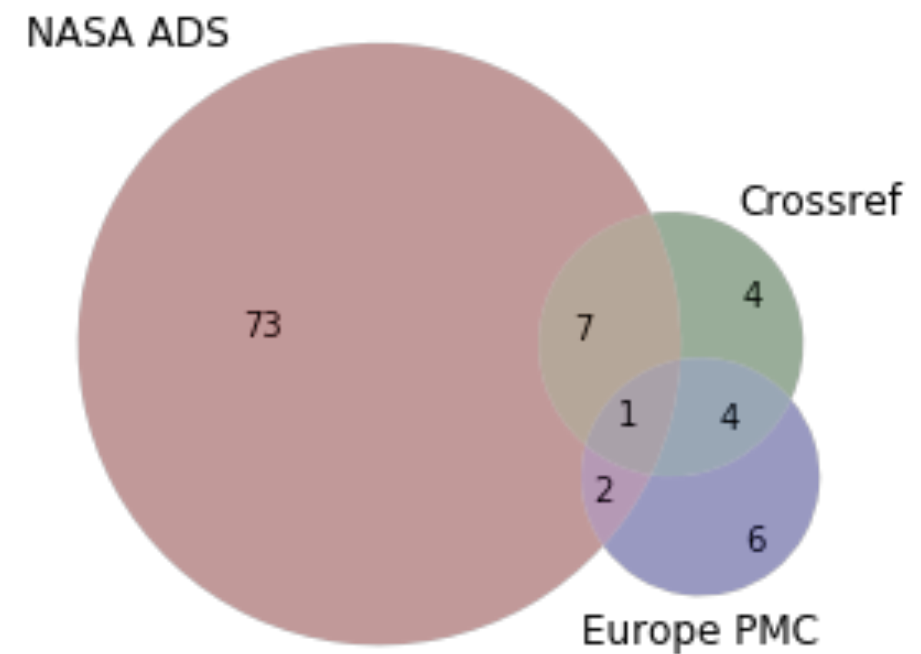
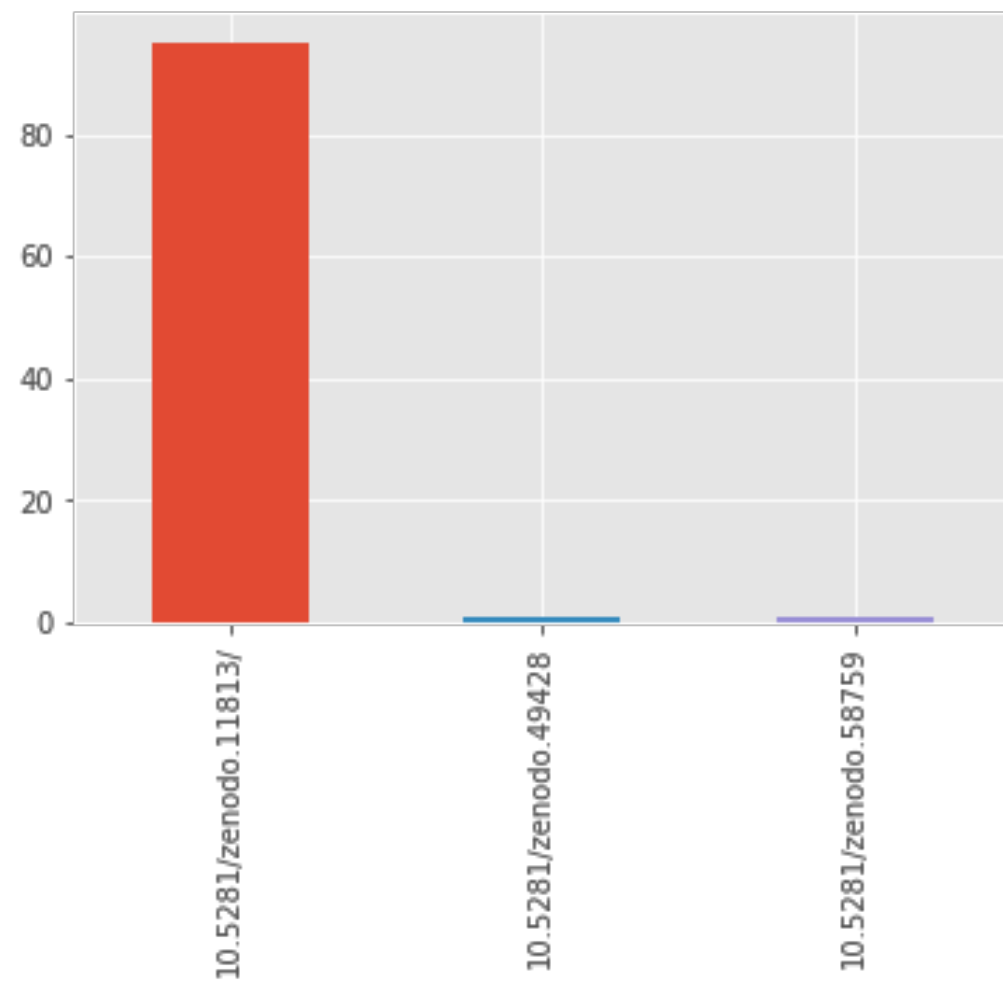
EuropePMC



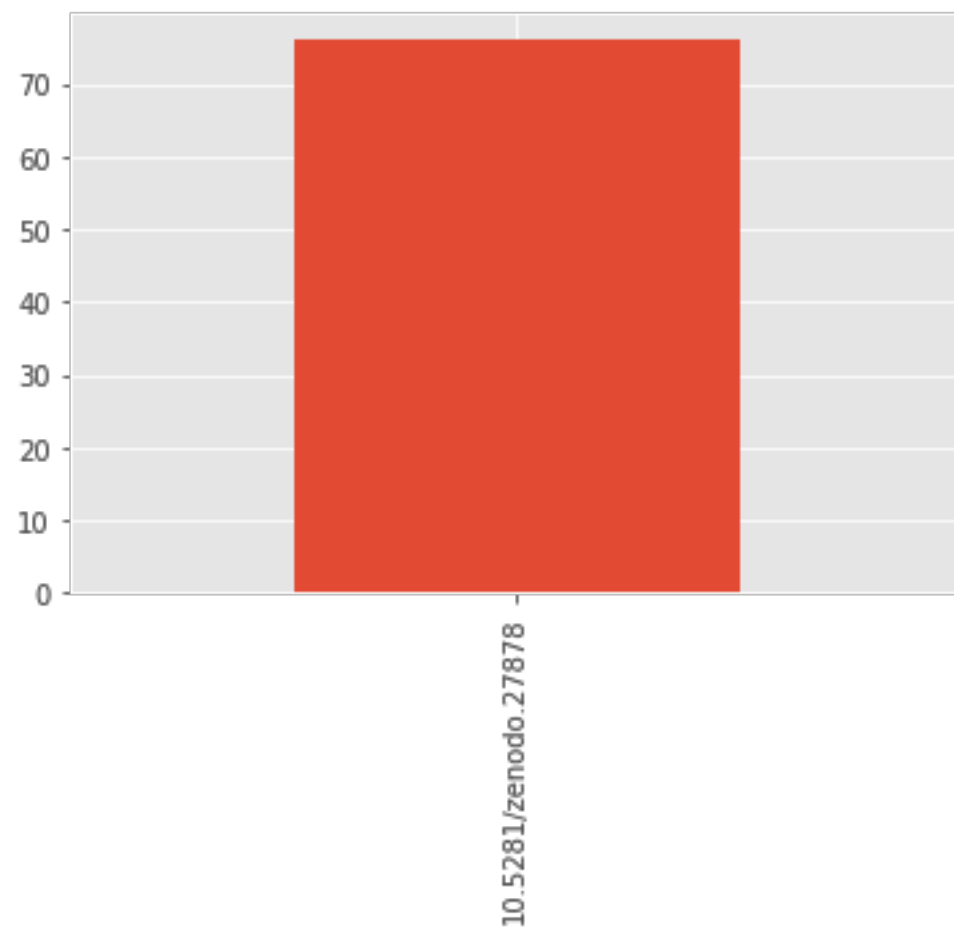
What is the impact of citation recommendations? (1/4)

How should I cite LMFIT?

See <https://dx.doi.org/10.5281/zenodo.11813>



What is the impact of citation recommendations? (2/4)



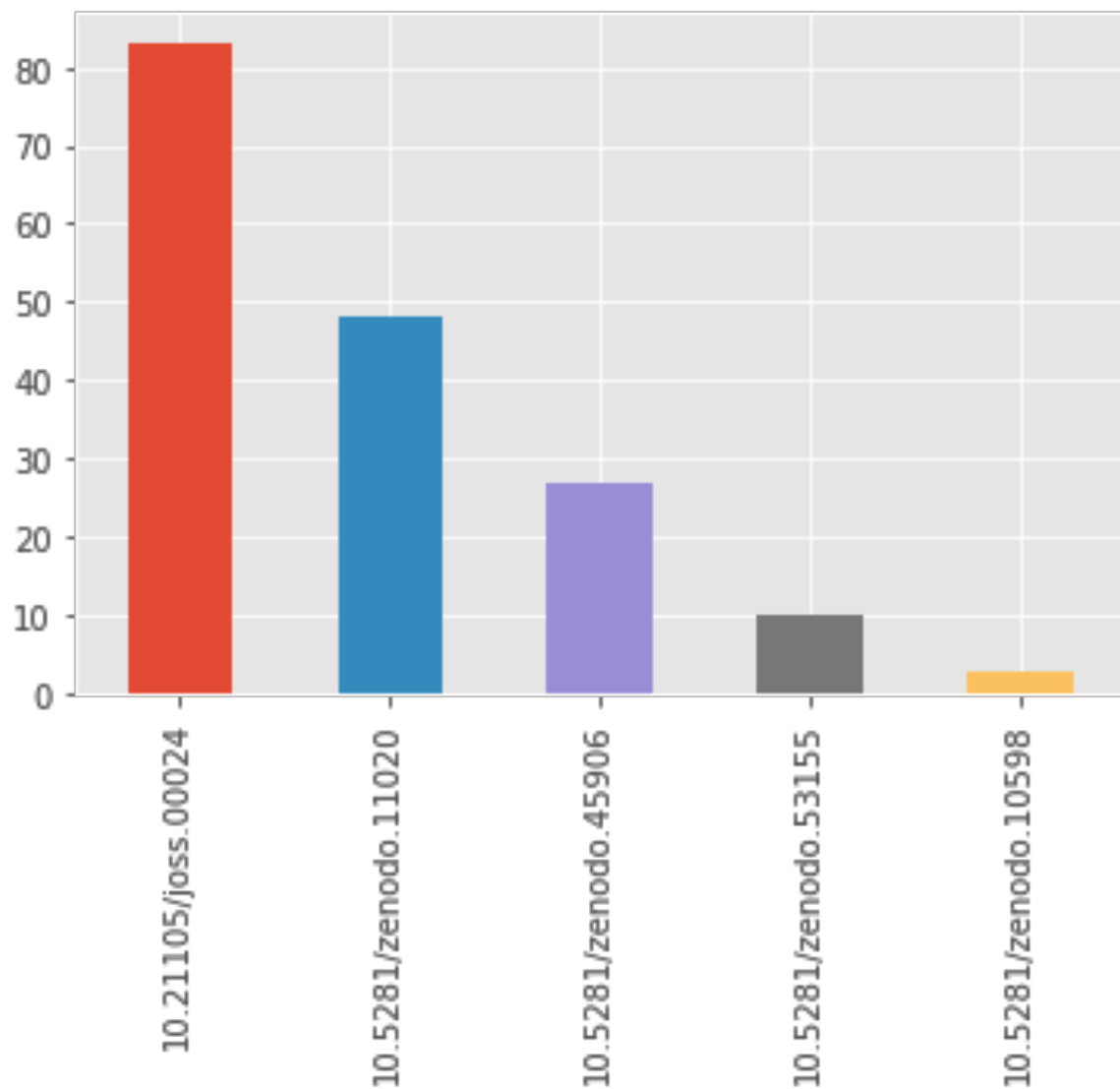
Lasagne Citation (BibTeX)

Jan Schlüter edited this page on 16 Mar 2017 · 2 revisions

To cite Lasagne in your work, use the following BibTeX entry:

```
@misc{lasagne,  
  author      = {Sander Dieleman and  
                 Jan Schlüter and  
                 Colin Raffel and  
                 Eben Olson and  
                 Søren Kaae Sønderby and  
                 Daniel Nouri and  
                 Daniel Maturana and  
                 Martin Thoma and  
                 Eric Battenberg and  
                 Jack Kelly and  
                 Jeffrey De Fauw and  
                 Michael Heilman and  
                 Diogo Moitinho de Almeida and  
                 Brian McFee and  
                 Hendrik Weideman and  
                 Gábor Takács and  
                 Peter de Rivaz and  
                 Jon Crall and  
                 Gregory Sanders and  
                 Kashif Rasul and  
                 Cong Liu and  
                 Geoffrey French and  
                 Jonas Degraeve},  
  title       = {Lasagne: First release.},  
  month       = aug,  
  year        = 2015,  
  doi         = {10.5281/zenodo.27878},  
  url         = {http://dx.doi.org/10.5281/zenodo.27878}  
}
```

What is the impact of citation recommendations? (3/4)



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Documentation

- [Installation](#)
 - [Dependencies](#)
 - [Using pip](#)
 - [From source](#)
 - [Tests](#)
- [Getting started](#)
- [A note about sigmas](#)
- [Custom plotting](#)
- [Detailed API documentation](#)

Attribution

If you make use of this code, please cite [the JOSS paper](#):

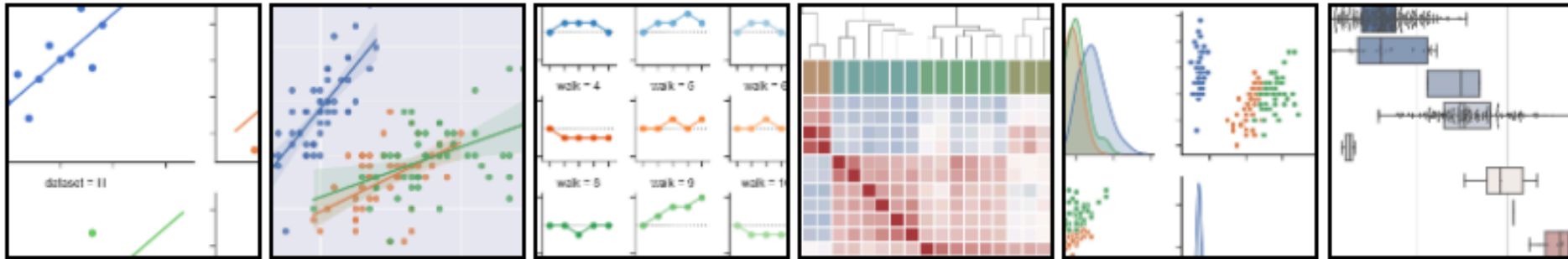
```
@article{corner,  
  Author = {Daniel Foreman-Mackey},  
  Doi = {10.21105/joss.00024},  
  Title = {corner.py: Scatterplot matrices in Python},  
  Journal = {The Journal of Open Source Software},  
  Year = 2016,  
  Volume = 24,  
  Url = {http://dx.doi.org/10.5281/zenodo.45906}  
}
```

Remember?

Foreman-Mackey, D. 2016, **JOSS**, 24, doi:10.5281/zenodo.45906

What is the impact of citation recommendations? (4/4)

seaborn: statistical data visualization



pypi **v0.9.0** **license** BSD (3-clause) **DOI** [10.5281/zenodo.883859](https://doi.org/10.5281/zenodo.883859) **build** **passing** **codecov** **94%**

Seaborn is a Python visualization library based on matplotlib. It provides a high-level interface for drawing attractive statistical graphics.

