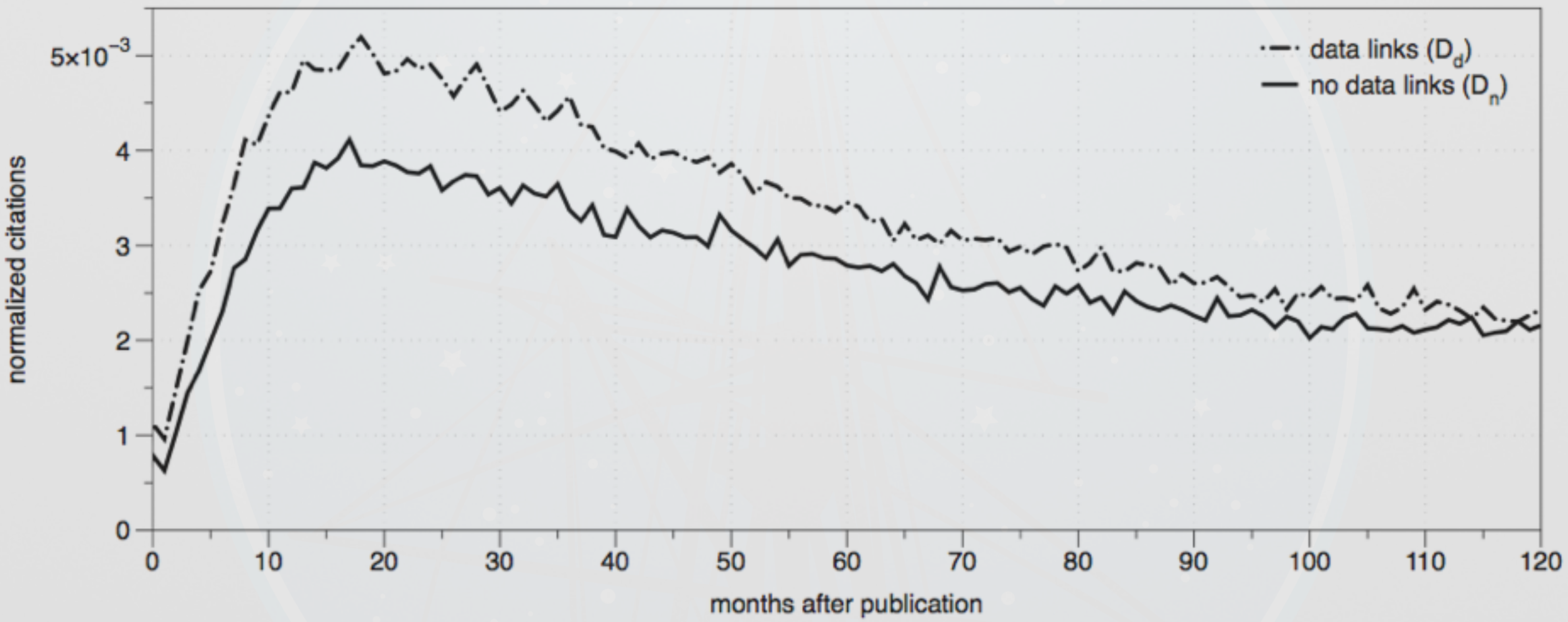
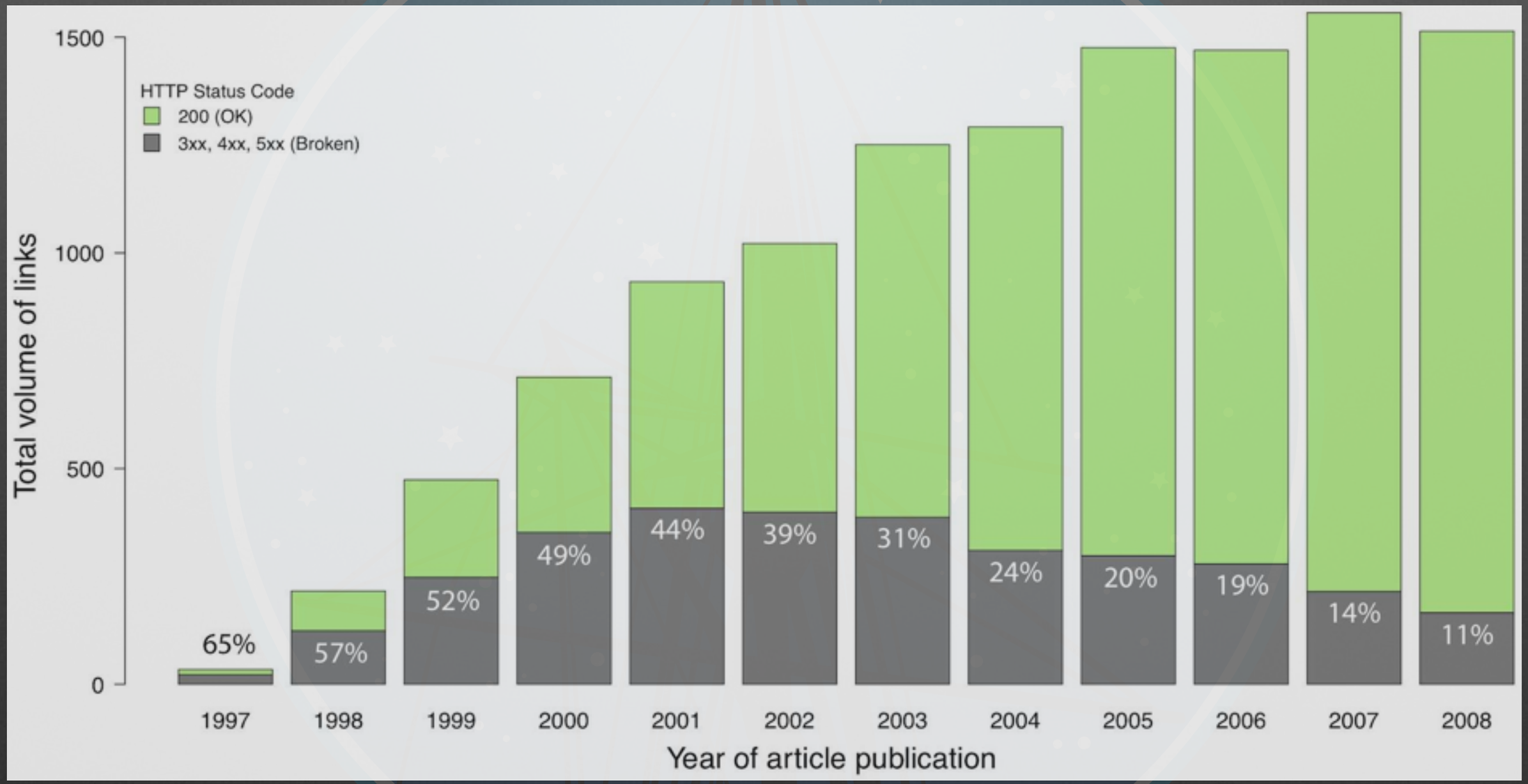
Papers with data links are more highly cited.



Henneken & Accomazzi 2012

Links in papers decay over time.



Pepe+ 2014

Getting data from tables is slow and difficult.

Table 1. Sample of PNe with *HST* WFPC2 or WFC3 Hα and [O III] observations

PN G	Common Name	Hα Exp. Time (s)	[O III] Exp. Time (s)	Proposal ID	PN G	Common Name	Hα Exp. Time (s)	[O III] Exp. Time (s)	Proposal ID
000.3+12.2	IC 4634	1000	1000	6856	084.2+01.0	K 4-55	2460	2440	11956
001.2+02.1	Hen 2-262	280	280	9356	084.9−03.4	NGC 7027[r]	500	100	11122
001.7−04.4	H 1-55	200	280	9356	089.8−05.1	IC 5117	240	320	8307
002.3−03.4	H 2-37	280	280	9356	096.4+29.9	NGC 6543	800	1600	5403
002.4+05.8	NGC 6369	640	640	9582	106.5−17.6	NGC 7662	200	500	6117, 6943, 8390
002.7−04.8	M 1-42	900	1800	11185	111.8−02.8	Hb 12	1600	1600	11093
002.9−03.9	H 2-39	280	280	9356	138.8+02.8	IC 289	2000	2000	11956
003.5−04.6	NGC 6565	160	320	11122	144.1+06.1	NGC 1501	1600	2000	11956
003.6+03.1	M 2-14	280	280	9356	189.1+19.8	NGC 2371-72	1600	1600	11093
003.8+05.3	H 2-15	280	280	9356	197.8+17.3	NGC 2392	400	400	8499
003.9−03.1	KFL 7	280	280	9356	215.2−24.2	IC 418	888	360	6353, 7501
004.0−03.0	M 2-29	200	160	9356	231.8+04.1	NGC 2438	2080	2080	11827
004.1−03.8	KFL 11	280	280	9356	215.6+03.6	NGC 2346	200	120	7129
004.8−22.7	Hen 2-436	200	160	9356	234.8+02.4	NGC 2440	1600	1600	11090
004.8+02.0	H 2-25	400	400	9356	249.0+06.9	Sa3a 1-1	200	280	8332
005.2−18.6	Sp96 2-21	280	280	9356	261.0+32.0	NGC 3242	100	1200	6117, 7501, 8773
006.1+08.3	M 1-20	200	160	9356	261.9+08.5	NGC 2818	1600	2000	11956
006.3+04.4	H 2-18	280	280	9356	272.1+12.3	NGC 3132	400	1200	6221, 8390
006.4+02.0	M 1-31	780	160	9356	285.6−02.7	Hen 2-47	1600	1600	11090
006.8−19.8	Wray 16-423	200	160	9356	285.7−14.9	IC 2448	200	320	11122
006.8+04.1	M 3-15	200	160	9356	294.6+04.7	NGC 3918	140	320	11122
007.5+04.3	Th 4-1	280	280	9356	305.1+01.4	Hen 2-90	2325	1210	8345, 9102
008.2+06.8	Hen 2-260	200	460	9356	307.5−04.9	MyCn 18	600	1400	6221
008.6−02.6	MaC 1-11	280	280	9356	309.1−04.3	NGC 5315	1600	1600	11090
009.3+05.7	Hen 3-1475	830	800	7285	312.3+10.5	NGC 5307	1600	1600	11090
010.0+00.7	NGC 6537	1240	1000	6502	319.6+15.7	IC 4406[f]	540	600	8726, 9314
010.8+18.0	M 2-9	1240	1000	6502	324.0+03.5	PM 1-89	4900	2900	5404, 5864
010.8−01.8	NGC 6578	160	320	11122	327.8+10.8	NGC 5882	140	380	11122
019.4−05.3	M 1-61	240	320	8307	331.1−05.7	PC 11	200	280	8332
025.3+40.8	IC 4593	1600	1600	11093	331.3−12.1	Hen 3-1357	240	368	6039, 8390
025.8−17.9	NGC 6818	520	1300	6792, 7501, 8773	331.7−01.0	Mz 3[r]	1260	1160	6856, 9050
027.6+04.2	M 2-43	520	1800	8307	341.8+05.4	NGC 6153	1000	1200	8594
034.6+11.8	NGC 6572	180	840	7501, 9839	349.5+01.0	NGC 6302[w]	2100	2220	11504
036.1−57.1	NGC 7293	1800	1800	5977	351.1+04.8	M 1-19	160	160	9356
037.7−34.5	NGC 7009	400	320	8114	351.9−01.9	Wray 16-286	200	280	9356
037.8−06.3	NGC 6790	160	200	8307	352.6+03.0	H 1-8	200	280	9356
043.1+37.7	NGC 6210	320	320	6792	353.5−05.0	JaFu 2[r]	3600	2000	6780
054.1−12.1	NGC 6891	1280	320	11122	354.5+03.3	Th 3-4	280	280	9356
054.2−03.4	Necklace Nebula[e]	2000	2000	12675	354.9+03.5	Th 3-6	280	400	9356
057.9−01.5	Hen 2-447	520	1800	8307	355.6−02.4	M 3-14	200	160	9356
060.1−07.7	NGC 6886	1120	1020	7501, 8345, 8773	355.9+03.6	H 1-9	280	280	9356
060.8−03.6	NGC 6853	2000	1000	8726	356.1−03.3	H 2-26	280	280	9356
063.1+13.9	NGC 6720	480	720	7632, 8726	356.5−03.6	H 2-27	360	400	9356
064.1+04.3	M 1-92	680	2080	6533	356.9+04.4	M 3-38	280	280	9356
064.7+05.0	BD+30°3639	484	900	8116, 8390	357.1−04.7	H 1-43	200	280	9356
065.0−27.3	Ps 1[b]	11420	1040	6751	357.2+02.0	H 2-33	280	280	9356
071.6−02.3	M 3-35	520	1000	8307	358.5−04.2	H 1-46	160	160	9356
073.0−02.4	K 3-76	6	18	6943	358.5+02.9	Wray 16-282	280	280	9356
074.5+02.1	NGC 6881	280	320	8307	358.9+03.4	H 1-19	200	280	9356
082.1+07.0	NGC 6884	1100	560	8345, 8390	359.2+04.7	Th 3-14	280	400	9356
082.5+11.3	NGC 6833	40	3	6943, 6353	359.3−00.9	Hb 5	1300	1000	6502
083.5+12.7	NGC 6826	100	100	6117					

*We searched MAST for HST WFPC2 or WFC3 coeval Hα and [O iii] images of PNe available by March 2013. This search yielded Hα and [O iii] images for **103** PNe obtained through the F656N and F502N filters, respectively*

Guerrero+ 2013

*We present a catalogue of photometric and structural properties of **228** nuclear star clusters (NSCs) in nearby late-type disc galaxies. These new measurements are derived from a homogeneous analysis of all suitable Wide Field Planetary Camera 2 (WFPC2) images in the Hubble Space Telescope (HST) archive.*

Table 1. Main properties of the galaxy sample with measured NSC properties. (All 228 galaxies are listed in the online version of the table).

Galaxy	RA	Dec.	$m-M$	$E(B-V)$	B	$B-V$	I	R_{25}	ϵ	PA	Incl.	Type	t
	(hh:mm:ss)	(dd:mm:ss)	(mag)	(mag)	(mag)	(mag)	(mag)	(kpc)		(deg)	(deg)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
DDO078	10:26:27.78	67:39:25.1	27.82	0.018	15.8	–	–	1.063	0.00	–	0.0	I	10.0
IC 4710	18:28:37.95	−66:58:56.1	29.75	0.079	12.51	0.57	11.19	4.494	0.15	–	34.9	Sm	8.9
NGC 1258	3:14:05.50	−21:46:27.3	32.28	0.022	13.88	–	12.35	5.870	0.26	20.5	43.7	SABc	5.7
NGC 3319	10:39:09.47	41:41:12.5	30.7	0.013	11.77	0.41	11.46	7.289	0.51	36.	62.7	SBc	5.9
NGC 5334	13:52:54.44	−1:06:52.4	32.78	0.041	12.97	–	12.19	17.729	0.28	18.2	44.8	Sc	5.2
...	...	...	...	...	...	...	...	...	...	...	...	...	...

Notes: The values for all columns are taken from HyperLeda, except for columns 4 and 5, which are taken from NED. More specifically, the distance modulus $m - M$ in column 4 is the median value in NED. If the latter is not available, we adopt the redshift-derived distance modulus, modz, from HyperLeda.

Georgiev & Böker 2013

MAST DOI Project: TL;DR

- MAST now provides permanent identifiers (DOIs) to user-defined & predefined data sets

- For the last year STScI authors have been asked to add DOIs for their MAST to their AAS Journals papers at submission

- Authors from 18 new institutions will be added in 2018, and everyone in 2019

- The MAST DOI tool is available to anyone: just search “MAST DOI”

- DOIs “mandatory” for all JWST publications

Authors are queried on submission

Submission Summary

Pending

Joshua Eli Goldston Peek

Article

N/a

Corridor and Journal

✖ Corridor and Journal

Upload Files

Files

Manuscript Info

✖ Title/Abstract

✔ Author Information

Detailed Information

Enhanced Manuscript Information

Financial Information

Keywords

Review Material

Review Files

Review Submission

Submit Manuscript

Submit Manuscript

Save and Exit

Save and Continue

Detailed Information

Please enter the information requested below. Required fields are marked with an asterisk (*).

*** Ethics Statement**

The author(s) certifies that the article being submitted: (1) is original with the author(s), (2) does not infringe any copyright or violate any other right of any third parties or any obligations we may have with them, (3) is not defamatory or contrary to law, and (4) has not been previously published elsewhere and is not being considered for publication elsewhere in any form. (5) Have you received approval from all of your co-authors to submit this manuscript?

○ **Yes**, the article conforms with these stipulations.

○ **No**, the article conflicts with one or more of these stipulations (explain in Manuscript Comments below).

Manuscript Comment

Provide any additional manuscript comments such as deprecated reviewers, prior submission information, or notes to the Lead Editors.

NOTE: This text box can be expanded using the icon in the lower righthand corner

MAST (Data hosted at Space Telescope Science Institute)

Does your manuscript directly refer to data in MAST (i.e. data from Hubble, Kepler, GALEX, IUE, etc.)?

◉ Yes ○ No

What are DOIs for? *Data DOIs (permanent links) allow readers to access the data you used directly from the text of your article.*

How do I get one? *MAST provides DOIs for its data in two ways:*

*Find **existing DOIs for catalogs** (Kepler/KIC, GALEX/MCAT, etc.) and **High-Level Science Products** (CANDELS, K2SFF, etc.).*
or
*Generate your own DOI using an **interface for making custom collections** of observations.*

*Please use this **link** to the MAST DOI site to find or generate the DOI relevant to your article's MAST datasets.*

DOI*	
	Clear
	Clear

Add Datasets

About ~85% of authors comply with request

Updated Query Instructions

Submission Summary

Pending
Joshua Peek
Article
N/a

Corridor and Journal

× Corridor and Journal

Upload Files

Files

Manuscript Info

Title/Abstract
Author Information
Detailed Information
Enhanced Manuscript Information
Financial Information
Reviewers
Keywords

Review Material

Review Files
Review Submission

Submit Manuscript

Submit Manuscript

Save and Exit
Save and Continue

Detailed Information

Please enter the information requested below. Required fields are marked with an asterisk (*).

Ethics Statement

The author(s) certifies that the article being submitted: (1) is original with the author(s), (2) does not infringe any copyright or violate any other right of any third parties or any obligations we may have with them, (3) is not defamatory or contrary to law, and (4) has not been previously published elsewhere and is not being considered for publication elsewhere in any form. (5) Have you received approval from all of your co-authors to submit this manuscript?

○ **Yes**, the article conforms with these stipulations.
○ **No**, the article conflicts with one or more of these stipulations (explain in Manuscript Comments below).

Manuscript Comment

Provide any additional manuscript comments such as deprecated reviewers, prior submission information, or notes to the Lead Editors.

NOTE: This text box can be expanded using the icon in the lower righthand corner

---

* **MAST (Data hosted at Space Telescope Science Institute)**

Does your manuscript use or analyze data from Hubble, Kepler, GALEX, IUE, or other data in MAST?
If you are unsure, please contact the editorial office at journals.manager@aas.org for help.

● Yes ○ No

What are DOIs for? Data DOIs (permanent links) allow readers to access the data you used directly from the text of your article.

How do I get one? MAST provides DOIs for its data in two ways:

Find **existing DOIs for catalogs** (Kepler/KIC, GALEX/MCAT, etc.) and **High-Level Science Products** (CANDELS, K2SFF, etc.).
or
Generate your own DOI using an **interface for making custom collections** of observations.

Please use this **link** to the MAST DOI site to find or generate the DOI relevant to your article's MAST datasets.

DOI*

Additional Datasets

Previous

Next

18 New AAS Q Institutions:

University of Chicago
Adler Planetarium
Arizona State University
Stanford University
University of Colorado
Yale University
Center for Astrophysics
California Institute of Technology
Jet Propulsion Laboratory
Johns Hopkins University
Penn State University
University of Texas - Austin
University of Hawaii
Columbia University
Princeton University
University of Washington
University of Michigan
Rutgers University
University of Arizona
NOAO
Michigan State University

31 papers published so far with DOIs

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

full:"10.17909" year:2016-2018 NOT author:"novacescu"

Your search returned **31** results

sort: Date desc

A MODEL FOR DATA CITATION IN ASTRONOMICAL RESEARCH USING DIGITAL OBJECT IDENTIFIERS (DOIS)

JENNY NOVACESCU,[1] JOSHUA E.G. PEEK,[1] SARAH WEISSMAN,[1] SCOTT W. FLEMING,[1] KAREN LEVAY,[1] AND ELIZABETH FRASER[1]

2 2018arXiv180101502L 2018/01 cited: 1

The HST large programme on ω Centauri -- III. Absolute proper motion

Libralato, M.; Bellini, A.; Bedin, L. R. *and 11 more*

> *reference: [10.17909/T9FD49]. http://www.stsci.edu/~jayander/STDPSFs/ . AASTEX The HST large programme on ω*

3 2017ApJ...851..152B 2017/12 cited: 2

An Infrared Census of DUST in Nearby Galaxies with Spitzer (DUSTiNGS). IV.

- How high priority is this project?

- Would an initiative to make DOIs for large samples of objects be useful for users (e.g. a permalink to 30,000 rows of data in a database)?

- How can / should we manage push back / lack of uptake?

- Current plan is to chase non-compliant JWST authors from arXiv posts (same as ALMA). Is this a good or bad idea? Should we pilot with something else?