

HET Publication Report

HET Board Meeting

7/8 December 2021

McDonald Observatory

Executive Summary

- There are now 446 peer-reviewed HET publications
 - Twenty-two papers published in 2020
 - As of 1 December, 22 papers published in 2021
- HET papers have 31507 citations
 - Average of 71, median of 38 citations per paper
 - H-number of 93
 - 84 papers have ≥ 100 citations; 183 have ≥ 50 cites
- Wide angle (non-HETDEX) surveys account for 26% of papers and 34% of citations.
- Synoptic (e.g., planet searches) and Target of Opportunity (e.g., supernovae and γ -ray bursts) programs have produced 46% of the papers and 48% of the citations, respectively.
- HETDEX has published nine papers.
- LRS2 and HPF have published 22 and 25 papers, respectively.
- Listing of the HET papers (with ADS links) is given at
<http://personal.psu.edu/dps7/hetpapers.html>

HET Program Classification

Code	Type of Program	Examples
1	ToO	Supernovae, Gamma-ray Bursts
2	Synoptic	Exoplanets, Eclipsing Binaries
3	One or Two Objects	Halo of NGC 821
4	Narrow-angle	HDF, Virgo Cluster
5	Wide-angle	Blazar Survey
6	HET Technical	HET Queue
7	HETDEX	Dark Energy with BAO
8	Other	HET Optics

Programs also broken down into “Dark Time”, “Light Time”, and “Other”.

Peer-reviewed Publications

- There are now 446 journal papers that either use HET data or (nine cases) use the HET as the motivation for the paper (e.g., technical papers, theoretical studies).
- Except for 2005, approximately 22 HET papers were published each year since 2002 through the shutdown. A record 44 papers were published in 2012.
- Both 2020 and 2021 produced 22 HET papers.
- Each HET partner has published at least 15 papers using HET data.
- Nineteen papers have been published from NOAO time.
- A total of 28 SDSS SNe papers have appeared in print. (The final data release paper appeared in early 2018).
- A total of 51 publications present data acquired with the new instrumentation (LRS2/HPF/VIRUS).

A listing of the HET papers (with ADS links) is given at
<http://personal.psu.edu/dps7/hetpapers.html>

Citations to Peer-reviewed Publications

- The 446 HET papers have garnered 31507 citations for an average of 70.6 per paper (median number is 38).
- The HET's H-number is now 93.
- The number of citations ranges from 0 to 1333. Fifteen papers have one or zero citations; 183 have 50 or more citations.
- Approximately 34% of the HET citations are produced by “Wide angle” surveys (non-HETDEX). This category was the primary science program for the “SST”.
- The four most cited Wide Angle Survey (non-HETDEX) papers have 446, 552, 688, and 738 citations.
- “Dark Time” projects have average higher citation rates (89) than “Light Time” programs (49). The 2:1 ratio has remained reasonably constant over time.
- The synoptic programs (primarily planet searches) are a significant component of both the number of publications and citations (top four papers have 250, 261, 294, and 448 citations).
- “Target of Opportunity” impact: Top four ToO papers have 384, 416, 576, and 1333 citations.
- The SDSS Supernova Survey (HET played key role in obtaining spectra of the faintest targets) produced an average of 164 citations per paper, as well as the highest-cited work (1333 citations from 2014 publication).

Summary of HET Publications December 2021

Year	Papers	Total	Total Citations	Average Citations
2000	9	9	587	65.22
2001	13	22	1370	105.38
2002	10	32	1081	108.10
2003	20	52	1711	85.55
2004	21	73	1599	76.14
2005	7	80	660	94.29
2006	21	101	1766	84.10
2007	21	122	2165	103.10
2008	24	146	3033	126.38
2009	26	172	3030	116.54
2010	33	205	2644	80.12
2011	26	231	2370	91.15
2012	44	275	3275	74.43
2013	23	298	792	34.43
2014	24	322	2470	102.92
2015	28	350	1153	41.18
2016	19	369	759	39.95
2017	8	377	175	21.88
2018	9	386	345	38.33
2019	16	402	232	14.50
2020	22	424	227	10.32
2021	22	446	63	2.86
Total	446		31507	70.64

Summary of Program Classes

Code	Class	Papers	Total Citations	Average Citations
1	ToO	80	8440	105.50
2	Synoptic	125	6692	53.54
3	Single Object	67	2941	43.90
4	Pencil Beam	36	2356	65.44
5	Wide Angle	117	10682	91.30
6	Technical	10	308	30.80
7	HETDEX	9	70	7.78
8	Other	2	18	9.00

Summary of Dark/Light Time

Code	Time	Papers	Total Citations	Average Citations
1	Dark	250	22127	88.51
2	Light	186	9079	48.81
3	Other	10	301	30.10

HET Publications Sorted by Journal

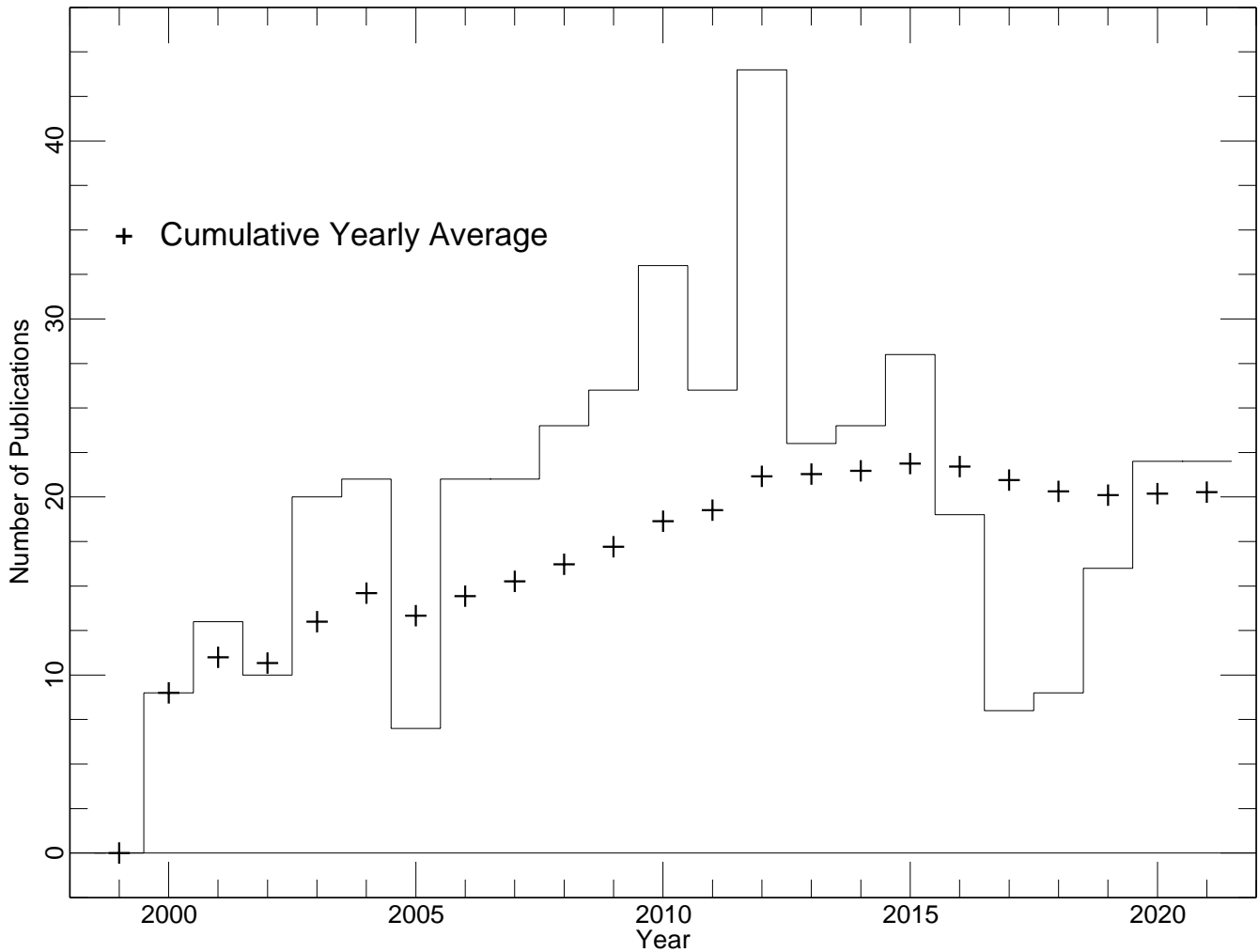
Papers	Average Citations	Journal
85	74.49	The Astronomical Journal
181	69.19	The Astrophysical Journal
34	58.38	The Astrophysical Journal (Letters)
13	56.62	The Publications of the A.S.P.
18	138.06	The Astrophysical Journal Supplement Series
10	199.80	Nature
1	250.00	Science
44	35.11	M.N.R.A.S.
2	32.50	M.N.R.A.S. (Letters)
47	68.60	Astronomy and Astrophysics
5	35.40	Astronomy and Astrophysics (Letters)
1	19.00	J.C.A.P.
1	100.00	Optics Express
1	4.00	Astronomische Nachrichten
1	5.00	J.A.T.I.S.
1	44.00	Optica
1	14.00	Optics Letters

HET Publications Sorted by Instrument

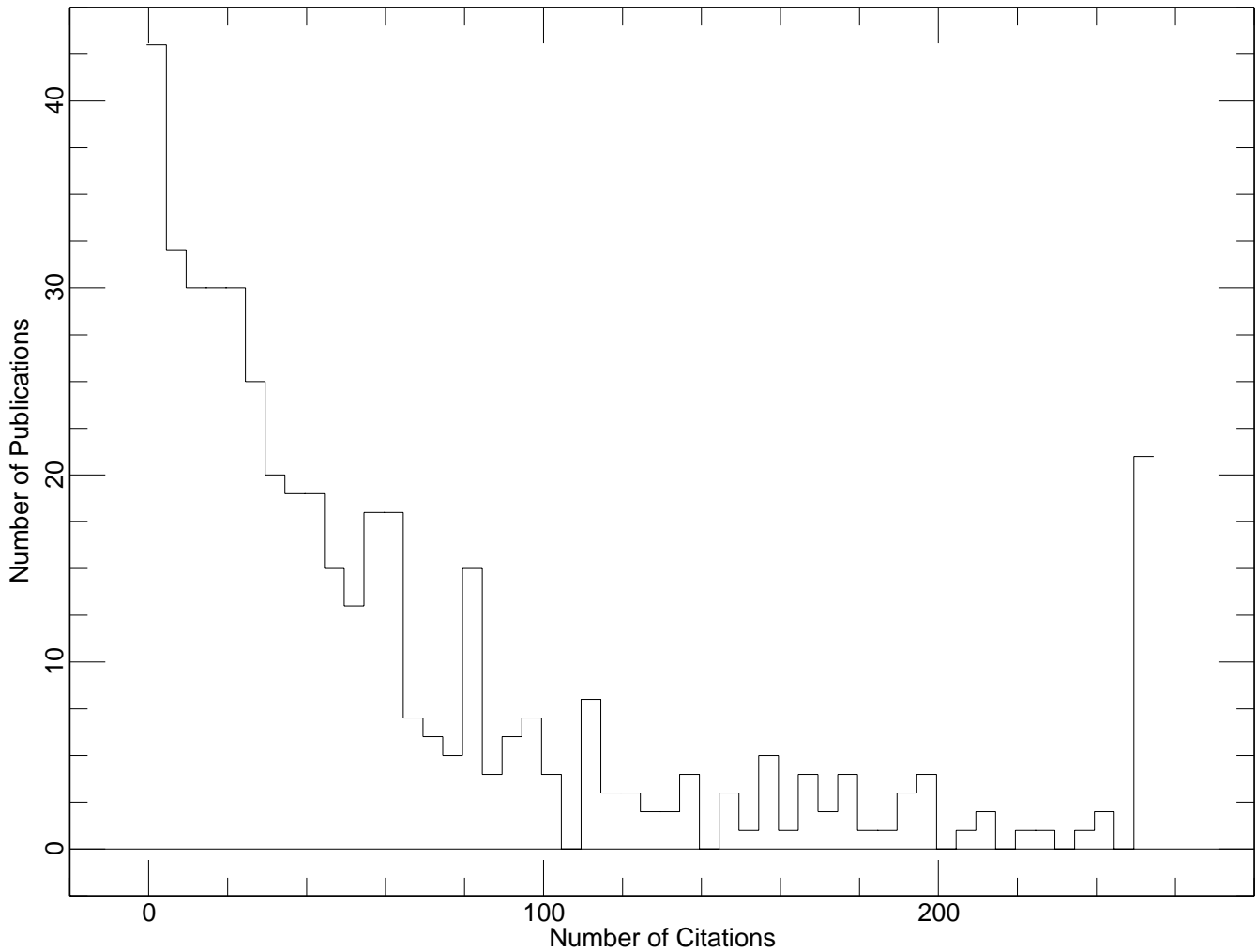
Code	Instrument	Papers	Total Citations	Average Citations
1	None	7	263	37.57
2	LRS	228	21757	95.43
3	MRS	1	21	21.00
4	HRS	157	8841	56.31
5	UFOE	2	113	56.50
6	LRS2	22	251	11.41
7	HPF	25	250	10.00
8	VIRUS	4	11	2.75

“Hot Papers” (2019-2021)

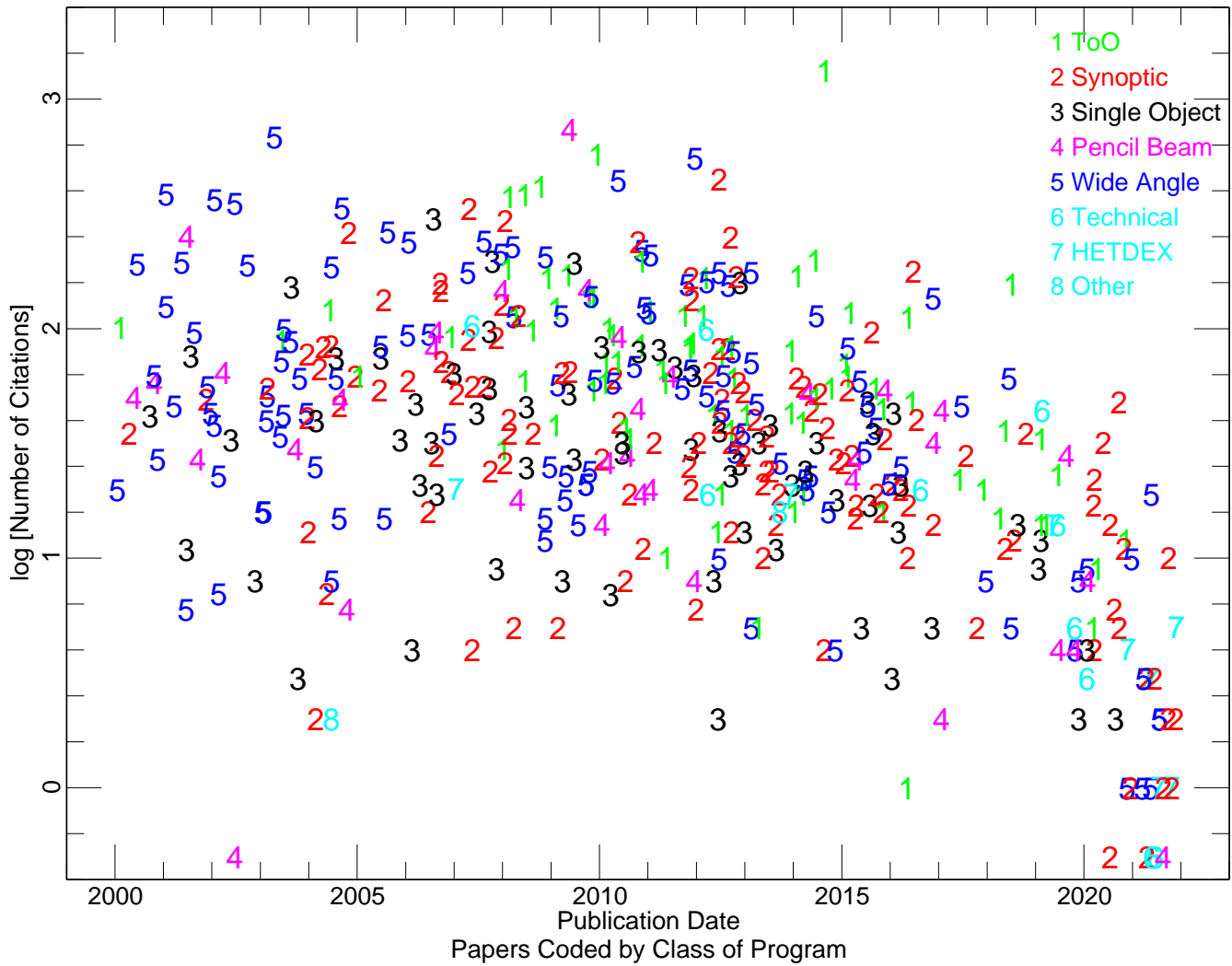
- (48) A Giant Planet Candidate Transiting a White Dwarf. Vanderburg, A., et al. 2020, Nature
- (44) Stellar Spectroscopy in the Near-infrared with a Laser Frequency Comb. Metcalf, A., et al. 2019, Optica
- (33) Photometric and Spectroscopic Properties of Type Ia Supernova 2018oh. Li, W., et al. 2019, ApJ
- (32) Evidence for He I 10830 Å Absorption During the Transit of a Warm Neptune. Ninan, J., et al. 2020, ApJ
- (28) A Survey for New Members of Taurus from Stellar to Planetary Masses. Esplin, T., and Luhman, K., 2019, AJ
- (23) The Type II-P Supernova 2017ew: From Explosion to the Nebular Phase. Szalai, T., et al. 2019, ApJ
- (19) I Spy transits and Pulsations: Empirical Variability in White Dwarfs Using Gaia and the Zwicky Transient Facility. Guidry, J., et al. 2021, ApJ
- (17) Kepler-1661 b: A Neptune-sized Kepler Transiting Circumbinary Planet Around a Grazing Eclipsing Binary. Socia, Q.J., et al. 2020, AJ
- (14) Persistent Starspot Signals on M Dwarfs: Multiwavelength Doppler Observations Robertson, P., et al. 2019, ApJ



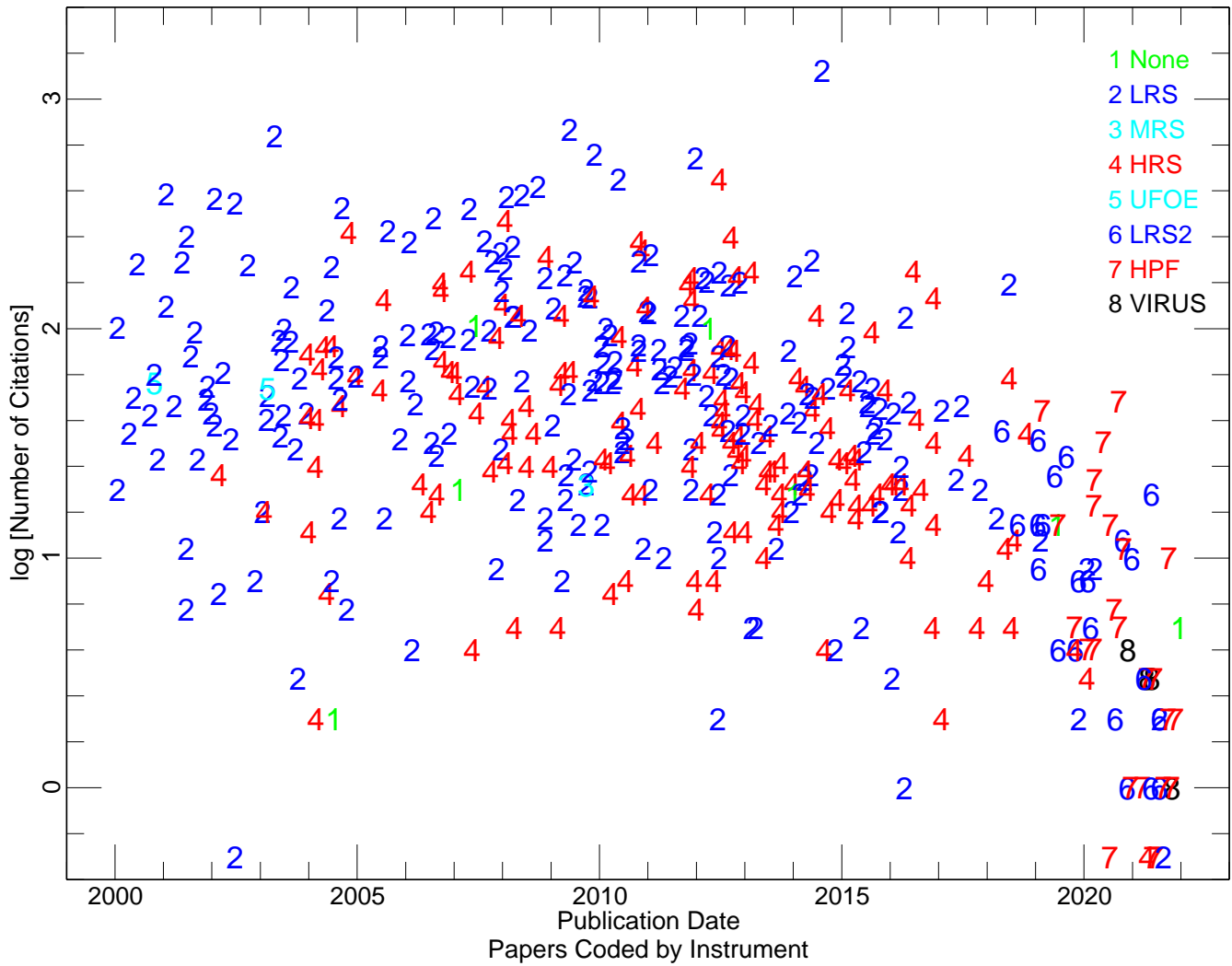
The number of HET publications each year (histogram) and the cumulative annual average of the annual number of publications (plus signs). A total of 446 HET papers have been published since the appearance of the first work in January 2000. Twenty-two papers appeared in 2020; an identical number have been published in 2021 to date.



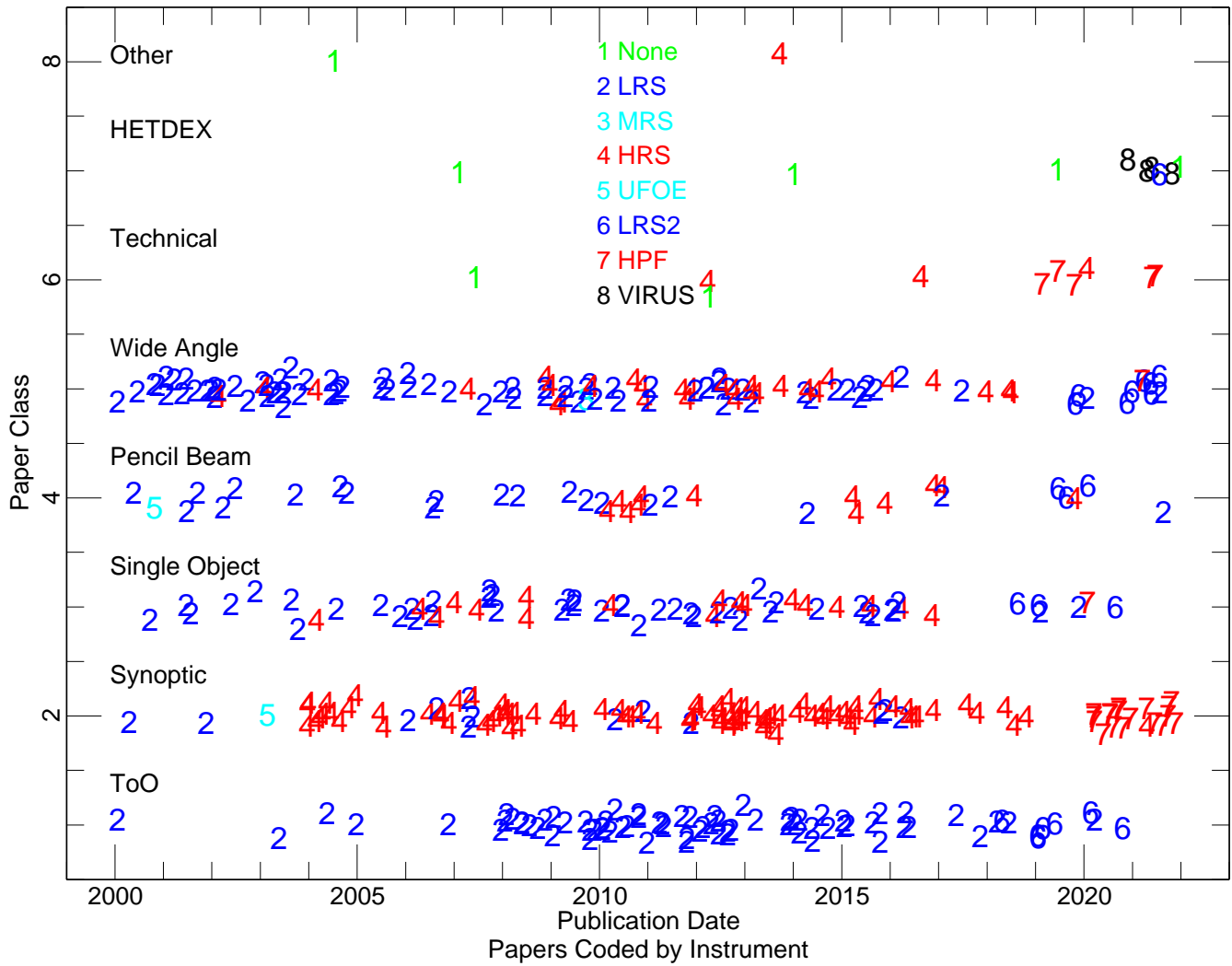
The histogram of the citation distribution of the 446 HET publications. Each bin has a width of five (e.g., the leftmost bin indicates the number of papers with 0, 1, 2, 3, or 4 citations). The rightmost bin contains all publications that have at least 250 citations (a total of 21 papers).



The logarithm of the number of citations as a function of publication date for the HET papers. (If a paper has zero citations, it is assigned a value of -0.3 .) The individual points are coded by the type of program. Most of the high-impact papers over the past decade have depended upon HET’s queue-scheduling ability (Target of Opportunity and Synoptic projects).



Identical format of the previous figure, except that the individual points are coded by the instrument used for the observations. Papers indicated by a green “1” did not use any HET observations, but were based on HET properties (e.g., the review of the HET queue operation).



The dates of publication of HET papers sorted by project class. The points are coded by instrument. The increasing importance of Target of Opportunity (primarily supernovae and gamma-ray bursts) and Synoptic (primarily exoplanets) is readily apparent in the diagram.

HET Papers Sorted by Number of Citations (December 2021)

N	Pub	Year	Cite	Title
1	315	2014	1333	Improved Cosmological Constraints From a Joint Analysis of the SDSS-III and
2	159	2009	738	Structure and Formation of Elliptical and Spheroidal Galaxies.
3	38	2003	688	A Survey of $z > 5.7$ Quasars in the Sloan Digital Sky Survey II. Discovery
4	171	2009	576	First-Year Sloan Digital Sky Survey-II Supernova Results: Hubble Diagram and
5	231	2011	552	The Second Catalog of Active Galactic Nuclei Detected by the Fermi Large Area
6	243	2012	448	An Abundance of Small Exoplanets Around Stars with a Wide Range of
7	187	2010	446	The First Catalog of Active Galactic Nuclei Detected by the Fermi Large Area
8	141	2008	416	Broadband Observations of the Naked-eye γ -ray Burst GRB 080319B.
9	11	2001	387	High-Redshift Quasars Found in Sloan Digital Sky Survey Commissioning Data IV.
10	136	2008	384	An Extremely Luminous X-ray Outburst at the Birth of a Supernova.
11	123	2008	375	The Sloan Digital Sky Survey-II Supernova Survey: Technical Summary.
12	24	2002	367	Towards Spectra Classification of L and T Dwarfs: Infrared and Optical
13	29	2002	351	Characterization of M, L, and T Dwarfs in the Sloan Digital Sky Survey.
14	68	2004	337	A Survey of $z > 5.7$ Quasars in the Sloan Digital Sky Survey. III. Discovery
15	104	2007	333	Reverberation Mapping of High-Luminosity Quasars: First Results.
16	91	2006	302	A Compact Supermassive Binary Black Hole System.
17	125	2008	294	Sodium Absorption from the Exoplanetary Atmosphere of HD 189733b Detected in
18	79	2005	266	The Sloan Digital Sky Survey Quasar Catalog III. Third Data Release.
19	70	2004	261	Detection of a Neptune-mass Planet in the ρ^1 Cancri System Using the
20	16	2001	252	The Chandra Deep Survey of the Hubble Deep Field North Area. II. Results from
21	259	2012	250	Kepler-47: A Transiting Circumbinary Multiplanet System.
22	111	2007	241	The X-ray Properties of the Most Luminous Quasars from the Sloan Digital Sky
23	197	2010	240	The California Planet Survey. I. Four New Giant Exoplanets.
24	81	2006	239	Binary Quasars in the Sloan Digital Sky Survey: Evidence for Excess Clustering
25	130	2008	229	CGRaBS: An All-Sky Survey of Gamma-Ray Blazar Candidates.
26	202	2010	220	Bulgeless Giant Galaxies Challenge Our Picture of Galaxy Formation by
27	119	2007	213	Four Quasars above Redshift 6 Discovered by the Canada-France High- z
28	207	2011	210	Supermassive Black Holes do not Correlate with Galaxy Disks or Psuedobulges.
29	142	2008	207	The SEGUE Stellar Parameter Pipeline. III. Comparison with High-Resolution
30	311	2014	198	A Wolf-Rayet-like Progenitor of SN 2013cu from Spectral Observations of a
31	198	2010	197	The Effect of Host Galaxies on Type Ia Supernovae in the SDSS-II Supernova
32	116	2007	197	SN 2005ap: A Most Brilliant Explosion.
33	13	2001	195	Colors of 2625 Quasars at $0 < z < 5$ Measured in the Sloan Digital Sky Survey
34	160	2009	194	Luminous Thermal Flares from Quiescent Supermassive Black Holes.
35	5	2000	191	The Missing Link: Early Methane (“T”) Dwarfs in the Sloan Digital Sky Survey.
36	31	2002	190	Large-Amplitude X-Ray Outbursts from Galactic Nuclei: A Systematic
37	60	2004	186	The Munich Near-Infrared Cluster Survey (MUNICS). VI. The Stellar Masses
38	124	2008	183	The Sloan Digital Sky Survey-II Supernova Survey: Search Algorithm and
39	363	2016	178	State of the Field: Extreme Precision Radial Velocities.
40	106	2007	177	Oxygen Abundances in Nearby Stars. Clues to the Formation and Evolution
41	277	2013	176	Oxygen Abundances in Nearby FGK Stars and the Galactic Chemical Evolution of
42	248	2012	176	The Luminosity Function of Fermi-detected Flat-spectrum Radio Quasars.
43	155	2009	172	SN 2005cs in M51 II. Complete Evolution in the Optical and the Near-Infrared.
44	300	2014	170	A Panchromatic View of the Restless SN 2009ip Reveals the Explosive Ejection of
45	266	2012	168	The Neptune-sized Circumbinary Planet Kepler-38b.
46	234	2012	166	Generalized Seim-analytical Models of Supernova Light Curves.
47	227	2011	166	KOI-54: The Kepler Discovery of Tidally-Excited Pulsations and
48	143	2008	166	The Sloan Digital Sky Survey-II Photometry and Supernova Ia Light Curves
49	237	2012	161	Spectroscopy of Broad-line Blazars from 1LAC.
50	270	2012	159	An Over-massive Black Hole in the Compact Lenticular Galaxy NGC 1277.

HET Papers Sorted by Number of Citations (continued)

N	Pub	Year	Cite	Title
51	97	2006	157	Exploring the frequency of Close-in Jovian Planets Around M Dwarfs.
52	381	2018	156	The Data Release of the Sloan Digital Sky Survey-II Supernova Survey.
53	220	2011	156	The Distribution of the Elements in the Galactic Disk. III. A
54	258	2012	155	A Large Systematic Search for Close Supermassive Binary and Rapidly Recoiling
55	44	2003	152	Accretion Disk Wind in the AGN Broad Line Region: Spectroscopically Resolved
56	165	2009	148	An Infrared/X-ray Survey for New Members of the Taurus Star-Forming Region.
57	121	2007	146	Dynamical Modelling of Luminous and Dark Matter in 17 Coma Early-Type Galaxies.
58	96	2006	146	A Transiting Planet of a Sun-like Star.
59	164	2009	139	Variable Sodium Absorption in a Low-extinction Type Ia Supernova.
60	170	2009	138	Rotational Velocities for M Dwarfs.
61	167	2009	137	First-Year Sloan Digital Sky Survey-II (SDSS-II) Supernova Results:
62	367	2016	136	The Solar Neighborhood. XXXVII: The Mass-Luminosity Relation for Main-sequence
63	225	2011	133	The hot-Jupiter Kepler-17b: Discovery, Obliquity from Stroboscopic
64	78	2005	133	A Giant Planet Around the Massive Giant Star HD 13189.
65	120	2007	127	XO-2b: Transiting Hot Jupiter in a Metal-rich Common Proper Motion
66	10	2001	125	High-Redshift Quasars Found in Sloan Digital Sky Survey Commissioning Data III.
67	205	2010	124	Extremely Metal-poor Stars in Classical Dwarf Spheroidal Galaxies: Fornax,
68	148	2009	123	Discovery of the Ultra-Bright Type II-L Supernova 2008es.
69	58	2004	121	SN 2003du: Signatures of the Circumstellar Environment in a Normal Type Ia
70	204	2010	119	Results from the Supernova Photometric Classification Challenge.
71	326	2015	117	Early-time Light Curves of Type Ib/c Supernovae from the SDSS-II Supernova
72	206	2011	117	Supermassive Black Holes do not Correlate with Dark Matter Haloes of Galaxies.
73	313	2014	114	Binarity in Carbon-enhanced Metal-poor Stars.
74	232	2012	114	Very Early Ultraviolet and Optical Observations of the Type Ia
75	216	2011	114	Photometric Type Ia Supernova Candidates from the Three-Year SDSS-II SN
76	152	2009	114	On the Magnetic Topology of Partially and Fully Convective Stars.
77	133	2008	114	XO-3b: A Massive Planet in an Eccentric Orbit Transiting an F5 V Star.
78	132	2008	113	Using Quantitative Spectroscopic Analysis to Determine the Properties and
79	131	2008	113	Quasar Broad Absorption Line Variability on Multiyear Timescales.
80	360	2016	112	SN 2012cg: Evidence for Interaction Between a Normal Type Ia Supernova and a
81	109	2007	103	Ten Year Review of Queue Scheduling of the Hobby-Eberly Telescope.
82	2	2000	101	GRB 991216 Joins the Jet Set: Discovery and Monitoring of Its Optical Afterglow.
83	238	2012	100	Demonstration of On-sky Calibration of Astronomical Spectra Using a 25 GHz
84	178	2010	100	First-year Sloan Digital Sky Survey-II Supernova Results: Consistency and
85	42	2003	99	The Gamma-Ray Blazar Content of the Northern Sky.
86	139	2008	98	A Measurement of the Rate of Type Ia Supernovae at Redshift $z \sim 0.1$ from
87	114	2007	98	SN 2006hp: Probing the Shock Breakout of a Type II-P Supernova.
88	341	2015	97	Kepler 453b - The 10 th Kepler Transiting Circumbinary Planet.
89	93	2006	97	A Survey for New Members of Taurus with the Spitzer Space Telescope.
90	18	2001	97	High-Redshift Quasars Found in Sloan Digital Sky Survey Commissioning Data VI.
91	87	2006	95	Chandra Observations of the Highest Redshift Quasars from the Sloan
92	181	2010	94	The Rise and Fall of Type Ia Supernova Light Curves in the SDSS-II Supernova
93	82	2006	94	Cool White Dwarfs in the Sloan Digital Sky Survey.
94	186	2010	92	Abundances of Red Giants in Old Open Clusters. V. Be 31, Be 32, Be 39, M 67,
95	99	2006	92	Multiwavelength Observations of GRB 050810A: An Exceptionally Energetic Event
96	118	2007	91	A Planetary-Mass Companion to the K0 Giant HD 17092.
97	105	2007	90	Long-term Profile Variability of Double-Peaked Emission Lines in Active
98	39	2003	89	GRB021004: a Massive Progenitor Star Surrounded by Shells.
99	45	2003	88	The Chandra Deep Field North Survey. XV. Optically Bright, X-ray-Faint Sources.
100	221	2011	86	The Effect of Peculiar Velocities on Supernova Cosmology.

HET Papers Sorted by Number of Citations (continued)

N	Pub	Year	Cite	Title
101	199	2010	85	Single or Double Degenerate Progenitors? Searching for Shock Emission in the
102	256	2012	84	The SDSS-II Supernova Survey: Parameterizing the Type Ia Supernova Rate as
103	219	2011	84	Improved Constraints on Type Ia Supernova Host Galaxy Properties Using
104	174	2010	84	The Old and Heavy Bulge of M31 I. Kinematics and Stellar Populations.
105	76	2005	84	A Northern Survey of Gamma-Ray Blazar Candidates.
106	61	2004	84	Searching for Planets in the Hyades. V. Limits on Planet Detection in the
107	327	2015	83	Composite Bulges: The Coexistence of Classical Bulges and Discy Pseudo-bulges
108	57	2004	83	Dynamical Mass Constraints on Low-Mass Pre-Main-Sequence Stellar Evolutionary
109	255	2012	82	The PTF Orion Project: A Possible Planet Transiting a T-Tauri Star.
110	247	2012	82	A Detection of H α in an Exoplanetary Exosphere.
111	89	2006	82	The Spatial Distribution of Brown Dwarfs in Taurus.
112	218	2011	81	A More General Model for the Intrinsic Scatter in Type Ia Supernova Distance
113	211	2011	81	Implications of Dramatic Broad Absorption Line Variability in the Quasar
114	295	2013	80	The Very Young Type Ia Supernova 2013dy: Discovery, and Strong Carbon
115	264	2012	80	Oxygen Abundances in Low- and High- α Field Halo Stars and the
116	200	2010	80	A Tidal Disruption Flare in Abell 1689 from an Archival X-ray Survey of Galaxy
117	50	2003	77	A Dedicated M-Dwarf Planet Search Using The Hobby-Eberly Telescope.
118	249	2012	76	Linking Type Ia Supernova Progenitors and Their Resulting Explosions.
119	17	2001	76	Hubble Space Telescope Images of Stephan's Quintet: Star Cluster Formation in a
120	74	2005	75	X-Ray Lighthouses of the High-Redshift Universe. II. Further Snapshot
121	65	2004	75	Q0906+6930: The Highest Redshift Blazar.
122	43	2003	73	Chandra and XMM Newton Observations of the First Quasars: X-Rays From the Age
123	184	2010	72	Measurements of the Rate of Type Ia Supernovae at Redshift ~ 0.3 from
124	95	2006	72	The First Extrasolar Planet Discovered with a New-Generation High-Throughput
125	276	2013	71	H α Activity of Old M Dwarfs: Stellar Cycles and Mean
126	173	2010	71	Early- and Late-Time Observations of SN 2008ha: Additional Constraints for the
127	323	2015	70	A Luminous, Fast Rising UV-transient Discovered by ROTSE: A Tidal Disruption
128	195	2010	69	Hot Subdwarf Stars in Close-up View. II. Rotational Properties and Wide
129	215	2011	68	A Population of X-Ray Weak Quasars: PHL 1811 Analogs at High Redshift.
130	210	2011	67	SN 2008 am: A Super-luminous Type IIn Supernova.
131	56	2004	67	Searching for Planets in the Hyades III. The Quest for Short-Period Planets.
132	224	2011	66	The Chemical Abundances of Stars in the Halo (CASH)
133	158	2009	65	A Search for Multi-Planet Systems Using the Hobby-Eberly Telescope.
134	98	2006	65	2MASS J05162881+2607387: A New Low-mass Double-lined Eclipsing Binary.
135	239	2012	64	The McDonald Observatory Planet Search: New Long-period Giant Planets
136	151	2009	64	A Planet in a 0.6 AU Orbit Around the K0 Giant HD 102272.
137	101	2006	64	Metallicities of M Dwarf Planet Hosts from Spectral Synthesis.
138	27	2002	64	The Chandra Deep Field North Survey. IX. Extended X-Ray Sources.
139	252	2012	63	Kinematic Signatures of Bulges Correlate with Bulge Morphologies and
140	230	2011	63	The Orbit and Companion of Probable Gamma-Ray Pulsar J2339-0533.
141	8	2000	63	Five High-Redshift Quasars Discovered in Commissioning Imaging Data of the
142	324	2015	62	The Broad-lined Type Ic SN 2012ap and the Nature of Relativistic Supernovae
143	214	2011	62	A Spectroscopic and Photometric Survey of Novae in M31.
144	73	2004	62	Signature of Electron Capture in Iron-rich Ejecta of SN 2003du.
145	72	2004	62	High-Resolution Spectroscopy of the Transiting Planet Host Star TrES-1.
146	383	2018	61	CARMENES Input Catalog of M Dwarfs. III. Rotation and Activity from High
147	299	2014	61	Three Planetary Companions Around M67 Stars.
148	260	2012	61	The Very Young Type-Ia SN 2012cg: Discovery and Pre-Maximum Brightness
149	182	2010	61	Long-Term Profile Variability in Active Galactic Nuclei with Double-Peaked
150	64	2004	61	Blazar Counterparts for 3EG Sources at $-40^\circ < \delta < 0^\circ$: Pushing

HET Papers Sorted by Number of Citations (continued)

N	Pub	Year	Cite	Title
151	47	2003	61	The Munich Near-Infrared Cluster Survey. II. The K-Band Luminosity Function
152	172	2009	60	Planetary Nebulae in Face-On Spiral Galaxies. III. Planetary Nebula
153	335	2015	59	Hunting for Supermassive Black Holes in Nearby Galaxies with the Hobby-Eberly
154	135	2008	59	First-Year Spectroscopy for the Sloan Digital Sky Survey-II Supernova Survey.
155	83	2006	59	SN 2005cg: Explosion Physics and Circumstellar Interaction of Normal
156	267	2012	58	Revisiting ρ^1 Cancri e: A New Mass Determination of the
157	213	2011	58	PTF 10fqz: A Luminous Red Nova in the Spiral Galaxy Messier 99.
158	177	2010	58	Type II-P Supernovae from the SDSS-II Supernova Survey and the Standardized
159	183	2010	58	The Evolution of Quasar C IV and Si IV Broad Absorption Lines Over
160	7	2000	58	Spectroscopy of Blue Stragglers and Turnoff Stars in M67 (NGC 2682).
161	150	2009	57	Calibrating M-dwarf Metallicities Using Molecular Indices: Extension to
162	303	2014	56	KIC 3858884: A Hybrid δ Scuti Pulsator in a Highly Eccentric
163	112	2007	56	The Mass of the Candidate Exoplanet Companion to HD 33636 from Hubble Space
164	108	2007	56	Results of Monitoring the Dramatically Variable C IV Mini-BAL System
165	21	2001	56	Exploratory Chandra Observations of the Highest-Redshift Quasars: X-rays from
166	340	2015	55	High-velocity Features of Calcium and Silicon in the Spectra of Type Ia
167	317	2014	55	The Core Collapse Supernova Rate From the SDSS-II Supernova Survey.
168	217	2011	55	Silicon and Oxygen Abundances in Planet-host Stars.
169	113	2007	55	SN 2005hj: Evidence for Two Classes of Normal-Bright SNe Ia and Implications
170	36	2003	55	The Blue Straggler RS Canum Venaticorum Star S1082 in M67: A Detailed
171	349	2015	54	The Early Days of the Sculptor Dwarf Galaxy.
172	328	2015	54	Radial Velocity Observations and Light Curve Noise Modeling Confirm that
173	168	2009	54	Multi-Wavelength Properties of the Type IIb SN 2008ax.
174	75	2005	54	A New Detached M Dwarf Eclipsing Binary.
175	273	2012	53	The Discovery of HD 37605c and a Dispositive Null Detection of Transits of
176	314	2014	52	A Misaligned Prograde Orbit for Kepler-13 AB via Doppler Tomography.
177	306	2014	52	A WISE Survey of Circumstellar Disks in Taurus
178	157	2009	52	Comment on the Black Hole Recoil Candidate Quasar SDSSJ092712.65+294344.0.
179	102	2007	52	Long-Period Objects in the Extrasolar Planetary Systems 47 UMa and 14 Her.
180	236	2012	51	X-Ray and Multiwavelength Insights into the Nature of Weak Emission-line
181	35	2003	51	X-Ray Lighthouses of the High-Redshift Universe: Probing the Most Luminous
182	310	2014	50	Hubble Space Telescope and Ground-based Observations of the Type Iax
183	4	2000	50	Observations of Faint, Hard-Band X-ray Sources in the Field of
184	253	2012	49	BD +48 740 – Li Overabundant Giant Star with a Planet: A Case of Recent
185	69	2004	49	The Chandra Deep Field-North Survey. XVII. Evolution of Magnetic Activity
186	20	2001	49	Short-term Emission Line and Continuum Variations in Mrk 110.
187	417	2020	48	A Giant Planet Candidate Transiting a White Dwarf.
188	362	2016	48	Extensive Spectroscopy and Photometry of the Type IIP Supernova 2013ej.
189	337	2015	48	Structure and Formation of cD Galaxies: NGC 6166 in Abell 2199.
190	281	2013	47	Lithium-rich Field Giants in the Sloan Digital Sky Survey.
191	85	2006	47	51 Eridani and GJ 3305: A 10-15 Myr old Binary Star System at 30 Parsecs.
192	373	2017	46	A Large Systematic Search for Close Supermassive Binary and Rapidly
193	339	2015	46	Massive Relic Galaxies Challenge the Co-evolution of Super-massive Black Holes
194	138	2008	46	The Hobby-Eberly Telescope Chemical Abundances of Stars in the Halo (CASH)
195	66	2004	46	The First Hobby-Eberly Telescope Planet: A Companion to HD 37605.
196	12	2001	46	High-Redshift Quasars Found in Sloan Digital Sky Survey Commissioning Data V.
197	346	2015	45	500 Days of NS 2013dy: Spectra and Photometry from the Ultraviolet to the
198	196	2010	45	A Search for Interstellar Anthracene Towards the Perseus Anomalous Microwave
199	392	2019	44	Stellar Spectroscopy in the Near-infrared with a Laser Frequency Comb.
200	371	2017	44	A Survey for New Members of the Taurus Star-forming Region with the Sloan

HET Papers Sorted by Number of Citations (continued)

N	Pub	Year	Cite	Title
201	308	2014	44	WTS-2 b: A Hot Jupiter Orbiting Near its Tidal Destruction
202	254	2012	44	Hot Subdwarf Stars in Close-up View. II. Rotational Properties and Wide
203	353	2016	43	A $5 \times 10^9 M_{\odot}$ Black Hole in NGC 1277 from Adaptive
204	294	2013	43	High-velocity Line Forming Regions in the Type Ia Supernova 2009ig.
205	110	2007	43	The Masses and Evolutionary State of the Stars in the Dwarf Nova SS Cygni.
206	49	2003	43	Spin Orientation of Supermassive Black Holes in Active Galaxies.
207	22	2001	43	The Munich Near-Infrared Cluster Survey: Number Density Evolution of Massive
208	275	2012	42	Testing Supernovae Ia Distance Measurement Methods with SN 2011 fe.
209	240	2012	42	Improved Distance Determination to M51 from Supernovae 2011dh and 2005cs.
210	41	2003	42	The Munich Near-Infrared Cluster Survey. V. The Evolution of the Rest-frame
211	6	2000	42	Search for the Identification of 3EG 1835+5918: Evidence for a New Type of
212	52	2003	41	Rotational Modulation of the Photospheric and Chromospheric Activity in the
213	364	2016	40	Search for Giant Planets in M67. III. Excess of Hot Jupiters in Dense Open
214	280	2013	40	NLTT 5306: The Shortest Period Detached White Dwarf+Brown Dwarf Binary.
215	127	2008	40	An $m \sin i = 24 M_{\oplus}$ Planetary Companion to the Nearby M Dwarf
216	55	2004	40	Oxygen in Open Cluster Dwarfs: Pleiades and M34.
217	37	2003	40	Redshifts of Candidate Gamma-Ray Blazars.
218	301	2014	39	Type IIb Supernova SN 2011dh: Spectra and Photometry from the Ultraviolet to
219	246	2012	39	The SDSS-HET Survey of Kepler Eclipsing Binaries: Spectroscopic Dynamical
220	185	2010	39	The Mass of HD 38529c from Hubble Space Telescope Astrometry and High-Precision
221	288	2013	38	Bottom-heavy Initial Mass Function in a Nearby Compact L* Galaxy.
222	147	2009	38	M31N 2007–11d: A Slowly Rising, Luminous Nova in M31.
223	23	2002	38	L Dwarfs Found in Sloan Digital Sky Survey Commissioning Data II. Hobby-Eberly
224	343	2015	37	MRK 1216 and NGC 1277 - An Orbit-based
225	319	2014	37	The Penn State - Torun' Centre for Astronomy Planet Search Stars. II.
226	188	2010	37	A Measurement of the Rate of Type Ia Supernovae in Galaxy Clusters from the
227	379	2018	36	Breaking the Habit: The Peculiar 2016 Eruption of the Unique Recurrent Nova
228	257	2012	36	Type Ia Supernova Properties as a Function of the Distance to the Host Galaxy
229	251	2012	36	PG 1018-047: the Longest Period Subdwarf B Binary.
230	386	2018	35	Hydrogen and Sodium Absorption in the Optical Transmission Spectrum of
231	342	2015	35	The Black Hole in the Compact, High-dispersion Galaxy NGC 1271.
232	272	2012	35	New M, L, and T Dwarf Companions to Nearby Stars from the Wide-field
233	140	2008	35	The Spin-Orbit Alignment of the HD 17156 Transiting Eccentric Planetary
234	128	2008	35	Discovery of Par 1802 as a Low-Mass, Pre-Main-Sequence Eclipsing Binary in the
235	100	2006	35	The Spectral Energy Distribution of the High- z Blazar Q0906+6930.
236	3	2000	35	HS 0907+1902: A New 4.2 hour Eclipsing Dwarf Novae.
237	285	2013	34	BD+15 2940 and HD 233604: Two Giants with Planets Close to the Engulfment Zone.
238	269	2012	34	The Penn State-Torun' Centre for Astronomy Planet Search Stars.
239	40	2003	34	Search for a Point-Source Counterpart of the Unidentified Gamma-Ray Source
240	388	2019	33	Photometric and Spectroscopic Properties of Type Ia Supernova 2018oh
241	348	2015	33	A Large Systematic Search for Close Supermassive Binary and Rapidly Recoiling
242	193	2010	33	Photometric Estimates of Redshifts and Distance Moduli for Type Ia Supernovae.
243	80	2005	33	Variation in the Scattering Shroud Surrounding Markarian 231.
244	28	2002	33	Geometry and Kinematics in the Central Broad-Line Region of a Seyfert 1 Galaxy.
245	412	2020	32	Evidence for He I 10830 Å Absorption during the Transit of a Warm Neptune
246	369	2016	32	The Age and Distance of the Kepler Open Cluster NGC 6811 from an Eclipsing
247	312	2014	32	Broad-line Region Structure and Kinematics in the Radio Galaxy 3C 120.
248	282	2013	32	The Ionized Absorber and Nuclear Environment of IRAS 13349+2438:
249	263	2012	32	Search for Giant Planets in M 67. I. Overview
250	233	2012	32	Substellar-mass Companions to the K-giants HD 240237, BD +48 738, and HD 96127.

HET Papers Sorted by Number of Citations (continued)

N	Pub	Year	Cite	Title
251	209	2011	32	MARVELS-1b: A Short-period, Brown Dwarf Desert Candidate from the SDSS-III
252	190	2010	32	Radially Extended Kinematics and Stellar Populations of the Massive Ellipticals
253	90	2006	32	Discovery of an Extreme MeV Blazar with the SWIFT Burst Alert Telescope.
254	223	2011	30	Discovery of a ZZ Ceti in the Kepler Mission Field.
255	122	2007	30	Constraints on Circumstellar Material Around the Type Ia Supernova 2007af.
256	46	2003	30	Two 100 Mpc-scale Structures in the 3-D Distribution of Radio Galaxies and
257	336	2015	29	Dozens of Compact and High Velocity-dispersion, Early-type Galaxies in the
258	265	2012	29	A Radial Velocity Study of Composite-spectra Hot Subdwarf Stars with the
259	189	2010	29	Hobby-Eberly Telescope Observations of the Dark Halo in NGC 821.
260	397	2019	28	A Survey for New Members of Taurus from Stellar to Planetary Masses.
261	374	2017	28	Search for Giant Planets in M67. IV. Survey Results.
262	329	2015	28	Stellar Activity and its Implications for Exoplanet Detection on GJ 176.
263	274	2012	28	Kepler Studies of Low-mass Eclipsing Binaries. I. Parameters of the
264	192	2010	28	Fe I and Fe II Abundances of Solar-Type Dwarfs in the Pleiades Open Cluster.
265	92	2006	28	Spectral Line Variability Amplitudes in Active Galactic Nuclei.
266	332	2015	27	Integrated Light Chemical Tagging Analyses of Seven M31 Outer Halo Globular
267	321	2014	27	Kepler-424 b: A “Lonely” Hot Jupiter that Found a Companion.
268	175	2010	27	The Mass of the Candidate Exoplanet Companion to HD 136118 from Hubble
269	161	2009	27	PHL 1092 as a Transient Extreme X-ray Weak Quasar.
270	19	2001	27	The Nature of the Red Giant Branches in the Ursa Minor and Draco Dwarf
271	9	2000	27	Discovery of a Close Pair of $z = 4.25$ Quasars from the Sloan Digital
272	325	2015	26	Tracking Advanced Planetary Systems (TAPAS) with HARPS-N. I. A Multiple
273	292	2013	26	Spectrum Syntheses of High-resolution Integrated Light Spectra of Galactic
274	268	2012	26	Relationship between Low and High Frequencies in Delta Scuti Stars:
275	179	2010	26	Li I and K I Scatter in Cool Pleiades Dwarfs.
276	126	2008	26	Detection of a Third Planet in the HD 74156 System Using the Hobby-Eberly
277	357	2016	25	Toward Precision Supermassive Black Hole Masses Using Megamaser Disks.
278	226	2011	25	Kepler-15b: A Hot Jupiter Enriched In Heavy Elements and the First
279	146	2008	25	Granulation in K-type Dwarf Stars. I. Spectroscopic Observations
280	137	2008	25	Trimming Down the Willman 1 dSph.
281	54	2004	25	A Search for ${}^6\text{Li}$ in Lithium-Poor Stars with Planets.
282	305	2014	24	Evidence of Resonant Mode Coupling and the Relationship between Low and High
283	287	2013	24	Two New Long-period Hot Subdwarf Binaries with Dwarf Companions.
284	286	2013	24	MARVELS-1: A Face-on Double-lined Binary Star Masquerading as a Resonant
285	169	2009	24	Optical Spectroscopy of Bright Fermi LAT Blazars.
286	115	2007	24	Dynamical and Observational Constraints on Additional Planets in Highly
287	393	2019	23	The Type II-P Supernova 2017eaw: From Explosion to the Nebular Phase.
288	309	2014	23	Broad Absorption Line Variability in Radio-loud Quasars.
289	262	2012	23	Insights on the X-ray Weak Quasar Phenomenon from XMM-Newton Monitoring of
290	156	2009	23	FIRST “Winged” and X-Shaped Radio Source Candidates. II. New Redshifts
291	25	2002	23	Convective Wavelength Shifts in the Spectra of Late-Type Stars.
292	409	2020	22	A Sub-Neptune-sized Planet Transiting the M2.5 Dwarf G 9-40: Validation with
293	372	2017	22	After the Fall: Late-Time Spectroscopy of Type IIP Supernovae.
294	330	2015	22	Chemical Abundances in the Globular Clusters NGC 5024 and NGC 5466 from Optical
295	304	2014	22	Exploratory X-ray Monitoring of Luminous Radio-quiet Quasars at
296	350	2015	21	The Chemical Abundances of Stars in the Halo (CASH) Project. III. A New
297	356	2016	21	The Chemical Compositions of Very Metal-poor Stars HD 122563 and HD 140283:
298	352	2016	21	The Penn State-Torun Centre for Astronomy Planet Search Stars.
299	296	2013	21	Constraints on a Second Planet in the WASP-3 System.
300	283	2013	21	Host Star Properties and Transit Exclusion for the HD 38529 Planetary System.

HET Papers Sorted by Number of Citations (continued)

N	Pub	Year	Cite	Title
301	166	2009	21	Planetary Nebulae in Face-On Spiral Galaxies. II. Planetary Nebula
302	163	2009	21	A Chandra Survey of the X-ray Properties of Broad Absorption Line
303	86	2006	21	Chemical Composition of the Planet-harboring Star TrES-1.
304	376	2017	20	Abundance Tomography of Type Iax SN 2011ay with TARDIS.
305	365	2016	20	Follow-up Observations of Extremely Metal-poor Stars Identified from SDSS.
306	355	2016	20	Pan-Planets: Searching for Hot Jupiters Around Cool Dwarfs.
307	307	2014	20	Discovery of Two Rare Rigidly Rotating Magnetosphere Stars in the APOGEE
308	222	2011	20	Reverberation Mapping of the Intermediate-Mass Nuclear Black Hole in
309	208	2011	20	A Spitzer Survey of Novae in M31.
310	103	2007	20	Probing Dark Energy with Baryonic Acoustic Oscillations at High Redshifts.
311	1	2000	20	The Low Resolution Spectrograph of the Hobby-Eberly Telescope II. Observations
312	431	2021	19	I Spy Transits and Pulsations: Empirical Variability in White Dwarfs Using
313	344	2015	19	Tracking Advanced Planetary Systems (TAPAS) with HARPS-N. II. Super
314	302	2014	19	Interaction Between the Broad-lined Type Ic Supernova 2012ap and Carriers of
315	298	2013	19	Galaxy Redshift Surveys with Sparse Sampling.
316	291	2013	19	Secretly Eccentric: The Giant Planet and Activity Cycle of GJ 328.
317	250	2012	19	On the Spectroscopic Classes of Novae in M33.
318	235	2012	19	A High-Resolution Atlas of Uranium-Neon in the <i>H</i> Band.
319	203	2010	19	Bright Variable Stars in NGC 6819: An Open Field Cluster in the Kepler Field.
320	194	2010	19	Discovery of a Low-mass Companion to a Metal-rich F Star with the MARVELS
321	94	2006	19	R Coronae Borealis at the 2003 Light Minimum.
322	320	2014	18	Astrometry, Radial Velocity, and Photometry: The HD 128311 System Remixed with
323	154	2009	18	A Population of Metal-Poor Galaxies with L_* Luminosities at Intermediate
324	134	2008	18	Spatially Resolved Spectroscopy of Coma Cluster Early-Type Galaxies. IV.
325	410	2020	17	Kepler-1661 b: A Neptune-sized Kepler Transiting Circumbinary Planet around a
326	361	2016	17	Tracking Advanced Planetary Systems (TAPAS) with HARPS-N. IV.
327	338	2015	17	High Resolution Optical and NIR Spectra of HBC 722.
328	333	2015	17	The APOGEE Spectroscopic Survey of Kepler Planet Hosts: Feasibility,
329	347	2015	16	Constraining FeLoBAL Outflows From Absorption Line Variability.
330	345	2015	16	The Early Phases of the Type Iax Supernova SN 2011ay.
331	318	2014	16	Optimal Integrated Abundances for Chemical Tagging of Extragalactic Globular
332	297	2013	16	SN 2000cx and SN 2013bh: Extremely Rare, Nearly Twin Type Ia Supernovae.
333	293	2013	16	ROBOSPECT: Automated Equivalent Width Measurement.
334	88	2006	16	Determination of the Orbit of the Planetary Companion to the Metal-Rich Star
335	34	2003	16	A Search for Cool Subdwarfs: Stellar Parameters for 134 Candidates.
336	33	2003	16	Spectroscopy of Low Surface Brightness Galaxies with the Hobby-Eberly Telescope.
337	378	2018	15	SN2012ab: a peculiar Type IIin supernova with aspherical circumstellar material
338	331	2015	15	Three Red Giants With Substellar-Mass Companions.
339	145	2008	15	A Chandra Look at Five of the Broadest Double-Peaked Balmer Line Emitters.
340	77	2005	15	The Color Selection of Quasars from Redshifts 5 to 10: Cloning and Discovery.
341	67	2004	15	Spectroscopy of KISS Emission-Line Galaxy Candidates II. HET Observations.
342	396	2019	14	30 GHz Electro-optic Frequency Comb Spanning 300 THz in the Near Infrared and
343	413	2020	14	Persistent Starspot Signals on M Dwarfs: Multiwavelength Doppler Observations
344	389	2019	14	A Recurrent Nova Super-remnant in the Andromeda Galaxy.
345	394	2019	14	Unbiased Cosmological Parameter Estimation from Emission-line Surveys
346	391	2019	14	Observations of SN 2017ein Reveal Shock Breakout Emission and a Massive
347	385	2018	14	The True Luminosities of Planetary Nebulae in M31's Bulge: Massive Central
348	366	2016	14	Very Low-mass Stellar and Substellar Companions to Solar-like Stars from
349	289	2013	14	Analysis of Detached Eclipsing Binaries Near the Turnoff of the Open Cluster
350	176	2010	14	The TexOx-1000 Redshift Survey of Radios Sources I. The TOOT00 Region

HET Papers Sorted by Number of Citations (continued)

N	Pub	Year	Cite	Title
351	162	2009	14	A Near-Infrared Spectroscopic Survey of Cool White Dwarfs in the Sloan
352	354	2016	13	The Massive Dark Halo of the Compact Early-type Galaxy NGC 1281.
353	271	2012	13	Modeling the Accretion Structure of AU Mon.
354	261	2012	13	Planets Around the K-giants BD +20 274 and HD 219415.
355	242	2012	13	Early Ultraviolet Observations of a Type II _n Supernova (2007pk).
356	51	2003	13	S986 in M67: A Totally Eclipsing Binary at the Cluster Turnoff.
357	419	2020	12	The Young and Nearby Normal Type Ia Supernova 2018gv: UV-optical Observations
358	390	2019	12	Structural Analogs of the Milky Way Galaxy: Stellar Populations in the Boxy
359	384	2018	12	The Penn State-Torun Centre for Astronomy Planet Search Stars. IV. Dwarfs and
360	144	2008	12	In Search of the Largest Velocity Dispersion Galaxies.
361	420	2020	11	The Habitable Zone Planet Finder Reveals a High Mass and Low Obliquity for the
362	380	2018	11	Tracking Advanced Planetary Systems (TAPAS) with HARPS-N. VI. HD 238914 and
363	290	2013	11	On the Hubble Space Telescope Trigonometric Parallax of the Dwarf
364	201	2010	11	Line Profile and Continuum Variability in the Very Broad-Line Seyfert
365	15	2001	11	The Absorbers toward CSO118: Superclustering at $z \approx 3$, or an Intrinsic
366	441	2021	10	The Habitable-zone Planet Finder Detects a Terrestrial-mass Planet Candidate
367	424	2020	10	Investigating the Growing Population of Massive Quiescent Galaxies at Cosmic
368	358	2016	10	Tracking Advanced Planetary Systems (TAPAS) with HARPS-N. III. HD 5583 and
369	284	2013	10	A Cautionary Tale: MARVELS Brown Dwarf Candidate Reveals Itself to be a
370	245	2012	10	H-alpha Dots: A Catalog of Faint Emission-line Objects Discovered in
371	212	2011	10	Spectroscopic Determination of the Low-redshift Type Ia Supernova Rate from the
372	411	2020	9	SN 2010kd: Photometric and Spectroscopic Analysis of a Slow-decaying
373	403	2020	9	An improved test of the Binary Black Hole Hypothesis for Quasars with
374	387	2019	9	Broad Absorption Line Disappearance/Emergence in Multiple Ions in a Weak
375	117	2007	9	The Optical Emission Line Spectrum of Mark 110.
376	404	2020	8	Exploring the High-mass End of the Stellar Mass Function of Star-forming
377	401	2019	8	The Nature of Faint Radio Galaxies at High Redshifts.
378	377	2017	8	What is the Milky Way Outer Halo Made of? High-resolution Spectroscopy of
379	241	2012	8	The $^7\text{Li}/^6\text{Li}$ Isotope Ratio near the Supernova Remnant IC 443.
380	228	2011	8	Variable Stars in the Open Cluster NGC 7142.
381	191	2010	8	The XO Planetary Survey Project: Astrophysical False Positives.
382	153	2009	8	Suzaku Observations of the Extreme MeV Blazar SWIFT J0746.3+2548.
383	62	2004	8	Submillimetre Photometry of Typical High-redshift Radio Sources.
384	32	2002	8	The Beginning of the End: Hubble Space Telescope Images of Seyfert's Sextet.
385	180	2010	7	Gas Absorption in the KH 15D System: Further Evidence for Dust Settling in
386	59	2004	7	Evidence of Planetesimal Infall on to the Very Young Herbig Be Star
387	26	2002	7	A Spectroscopic Reconnaissance of UV-Bright Stars.
388	415	2020	6	TOI-1728b: The Habitable-zone Planet Finder Confirms a Warm Super-Neptune
389	229	2011	6	Non-Detection of the Putative Substellar Companion to HD 149382.
390	71	2004	6	Photometric Identification of Cool White Dwarfs.
391	14	2001	6	The Stanford Cluster Search: Scope Method, and Preliminary Results.
392	445	2021	5	Correcting Correlation Functions for Redshift-dependent Interloper
393	418	2020	5	A Warm Jupiter Transiting an M Dwarf: A TESS Single-transit Event Confirmed
394	407	2020	5	An Extreme X-Ray Variability Event of a Weak-line Quasar.
395	400	2019	5	Impact of Crosshatch Patterns in H2RGs on High-Precision Radial Velocity
396	382	2018	5	A Spectroscopic Survey of Field Red-Horizontal-branch Stars.
397	375	2017	5	Tracking Advanced Planetary Systems (TAPAS) with HARPS-N. V. A Massive Jupiter
398	368	2016	5	The Detached Eclipsing Binary KV 29 and the Age of the Open Cluster M11.
399	334	2015	5	Proving Strong Magnetic Fields Near to the Central Black Hole in the Quasar
400	279	2013	5	The Unusually Luminous Extragalactic Nova SN 2010U.

HET Papers Sorted by Number of Citations (continued)

N	Pub	Year	Cite	Title
401	278	2013	5	X-ray and Multiwavelength Insights into the Inner Structure of
402	149	2009	5	Discovery of a Low-Mass companion to the Solar-Type Star TYC 2534-698-1.
403	129	2008	5	A New, Bright, Short-Period Emission Line Binary in Ophiuchus.
404	406	2020	4	A Blue Ring Nebula from a Stellar Merger Several Thousand Years Ago.
405	421	2020	4	Cosmological 3D H I Gas Map with HETDEX Ly α Emitters and eBOSS QSOs
406	408	2020	4	It Takes Two Planets in Resonance to Tango around K2-146.
407	399	2019	4	The SDSS-HET Survey of Kepler Eclipsing Binaries. Description of the Survey
408	398	2019	4	The HETDEX Pilot Survey. VI. O III Emitters and Expectations for a Local
409	395	2019	4	Variability of Low-ionization Broad Absorption-line Quasars Based on
410	322	2014	4	Studying the Dwarf Galaxies in Nearby Groups of Galaxies: Spectroscopic and
411	316	2014	4	Determination of Mass and Orbital Parameters of a Low-mass Star HD213597B.
412	107	2007	4	Late-type Near-contact Eclipsing Binary [HH97] FS Aur-79.
413	84	2006	4	SDSS J103913.70+533029.7: A Super Star Cluster in the Outskirts of a Galaxy
414	425	2021	3	Revealing Efficient Dust Formation at Low Metallicity in Extragalactic
415	434	2021	3	The McDonald Accelerating Stars Survey (MASS): Discovery of a Long-period
416	428	2021	3	The Epoch of Giant Planet Migration Planet Search Program. I. Near-infrared
417	430	2021	3	The HETDEX Survey: The Ly- α Escape Fraction from 3D-HST
418	427	2021	3	The Stars of the HETDEX Survey. I. Radial Velocities and Metal-poor Stars from
419	405	2020	3	Calibrating Iodine Cells for Precise Radial Velocities.
420	351	2016	3	The Peculiar Optical-UV X-ray Spectra of the X-ray Weak Quasar PG 0043+039.
421	48	2003	3	Low Signal-to-Noise Spectroscopy and Surface Photometry of Two Faint Galaxies
422	446	2021	2	A Search for Planetary Metastable Helium Absorption in the V1298 Tau System.
423	442	2021	2	Nondetection of Helium in the Upper Atmospheres of TRAPPIST-1b, e, and f.
424	437	2021	2	Taking a Long Look: A Two-decade Reverberation Mapping Study of
425	436	2021	2	The Shape and Scatter of the Galaxy Main Sequence for Massive Galaxies at
426	416	2020	2	The Energetics of Launching the Most Powerful Jets in Quasars: A Study
427	402	2019	2	Stellar Properties of KIC 8736245: An Eclipsing Binary with a Solar-type Star
428	370	2017	2	Parsec-scale Variations in the ^7Li i/ ^6Li i Isotope Ratio Toward IC 348
429	244	2012	2	Discovery of a Wolf-Rayet Star Through Detection of Its Photometric
430	63	2004	2	Exact Optics IV. Small ‘trumpet’ Correctors for Large Spheres.
431	53	2004	2	A Search for Sodium Absorption from Comets Around HD209458.
432	444	2021	1	TOI-532b: The Habitable-zone Planet Finder confirms a Large Super Neptune in
433	440	2021	1	Stellar Activity Manifesting at a One-year Alias Explains Barnard b as a False
434	438	2021	1	HETDEX [O III] Emitters. I. A Spectroscopically Selected Low-redshift
435	443	2021	1	Detection of Lyman Continuum from $3.0 < z < 3.5$ Galaxies in
436	432	2021	1	Probing the Disk-Corona Systems and Broad-line Regions of Changing-look
437	426	2021	1	Chemical Compositions of Red Giant Stars from Habitable Zone Planet Finder
438	423	2020	1	A Mini-Neptune and a Radius Valley Planet Orbiting the Nearby M2 Dwarf
439	422	2020	1	The H α Dots Survey. II. A Second List of Faint Emission-line Objects.
440	359	2016	1	Possible Detection of Singly Ionized Oxygen in the Type Ia SN 2010kg.
441	439	2021	0	A Galaxy Cluster in the Innermost Zone of Avoidance, Close to the Radio
442	433	2021	0	A Harsh Test of Far-field Scrambling with the Habitable-zone Planet Finder and
443	429	2021	0	Tracking Advanced Planetary Systems (TAPAS) with HARPS-N. VII. Elder Suns with
444	435	2021	0	Broadband Stability of the Habitable Zone Planet Finder Fabry-Perot Etalon
445	414	2020	0	Following the TraCS of exoplanets with Pan-Planets: Wendelstein-1b and
446	30	2002	0	Suspected Wolf-Rayet Galaxies UM 456 and UM 594.