

HET Publication Report

HET Board Meeting

1/2 June 2022

McDonald Observatory

Executive Summary

- There are now 471 peer-reviewed HET publications
 - Twenty-nine papers published in 2021
 - As of 24 May, 13 papers published in 2022
 - Occasionally find “old” HET Papers (3 in 2019/2 in 2020)!
- HET papers have 32707 citations
 - Average of 69, median of 36 citations per paper
 - H-number of 95
 - 86 papers have ≥ 100 citations; 192 have ≥ 50 cites
- Wide angle (non-HETDEX) surveys account for 25% 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 47% of the papers and 48% of the citations, respectively.
- HETDEX has published twelve papers.
- LRS2 and HPF have published 37 and 31 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 471 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.
- Through 24 May the current year has produced 13 HET papers.
- Each HET partner has published at least 16 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 76 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 471 HET papers have garnered 32707 citations for an average of 69.4 per paper (median number is 36).
- The HET's H-number is now 95.
- The number of citations ranges from 0 to 1396. Fifteen papers have one or zero citations; 192 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 451, 559, 697, and 753 citations.
- “Dark Time” projects have average higher citation rates (86) than “Light Time” programs (50). The roughly 2:1 ratio has been steadily decreasing over time.
- The synoptic programs (primarily planet searches) are a significant component of both the number of publications and citations (top four papers have 264, 266, 306, and 474 citations).
- “Target of Opportunity” impact: Top four ToO papers have 391, 425, 588, and 1396 citations.
- The SDSS Supernova Survey (HET played key role in obtaining spectra of the faintest targets) produced an average of 170 citations per paper, as well as the highest-cited work (1396 citations from 2014 publication).

Summary of HET Publications May 2022

Year	Papers	Total	Total Citations	Average Citations
2000	9	9	590	65.56
2001	13	22	1382	106.31
2002	10	32	1090	109.00
2003	20	52	1729	86.45
2004	21	73	1623	77.29
2005	7	80	668	95.43
2006	21	101	1805	85.95
2007	21	122	2228	106.10
2008	24	146	3094	128.92
2009	26	172	3089	118.81
2010	33	205	2722	82.48
2011	26	231	2441	93.88
2012	44	275	3423	77.80
2013	23	298	821	35.70
2014	24	322	2586	107.75
2015	28	350	1212	43.29
2016	19	369	806	42.42
2017	8	377	186	23.25
2018	9	386	382	42.44
2019	19	405	319	16.79
2020	24	429	321	13.38
2021	29	458	171	5.90
2022	13	471	19	1.46
Total	471		32707	69.44

Summary of Program Classes

Code	Class	Papers	Total Citations	Average Citations
1	ToO	89	8807	98.96
2	Synoptic	131	7034	53.69
3	Single Object	71	3040	42.82
4	Pencil Beam	36	2411	66.97
5	Wide Angle	119	10959	92.09
6	Technical	11	345	31.36
7	HETDEX	12	93	7.75
8	Other	2	18	9.00

Summary of Dark/Light Time

Code	Time	Papers	Total Citations	Average Citations
1	Dark	267	22844	85.56
2	Light	192	9529	49.63
3	Other	12	334	27.83

HET Publications Sorted by Journal

Papers	Average Citations	Journal
90	72.48	The Astronomical Journal
194	67.11	The Astrophysical Journal
35	58.40	The Astrophysical Journal (Letters)
13	59.92	The Publications of the A.S.P
19	134.53	The Astrophysical Journal Supplement Series
11	190.82	Nature
1	264.00	Science
47	34.51	M.N.R.A.S.
2	32.50	M.N.R.A.S. (Letters)
48	69.85	Astronomy and Astrophysics
5	36.00	Astronomy and Astrophysics (Letters)
1	20.00	J.C.A.P.
1	104.00	Optics Express
1	4.00	Astronomische Nachrichten
1	6.00	J.A.T.I.S.
1	51.00	Optica
1	18.00	Optics Letters

HET Publications Sorted by Instrument

Code	Instrument	Papers	Total Citations	Average Citations
1	None	7	274	39.14
2	LRS	228	22293	97.78
3	MRS	1	22	22.00
4	HRS	157	9184	58.50
5	UFOE	2	114	57.00
6	LRS2	37	423	11.43
7	HPF	31	355	11.45
8	VIRUS	8	42	5.25

“Hot Papers” (2019-2022)

(68) A Giant Planet Candidate Transiting a White Dwarf. Vanderburg, A., et al. 2020, Nature

(51) Stellar Spectroscopy in the Near-infrared with a Laser Frequency Comb. Metcalf, A., et al. 2019, Optica

(42) Evidence for He I 10830 Å Absorption During the Transit of a Warm Neptune. Ninan, J., et al. 2020, ApJ

(40) Photometric and Spectroscopic Properties of Type Ia Supernova 2018oh. Li, W., et al. 2019, ApJ

(33) I Spy transits and Pulsations: Empirical Variability in White Dwarfs Using Gaia and the Zwicky Transient Facility. Guidry, J., et al. 2021, ApJ

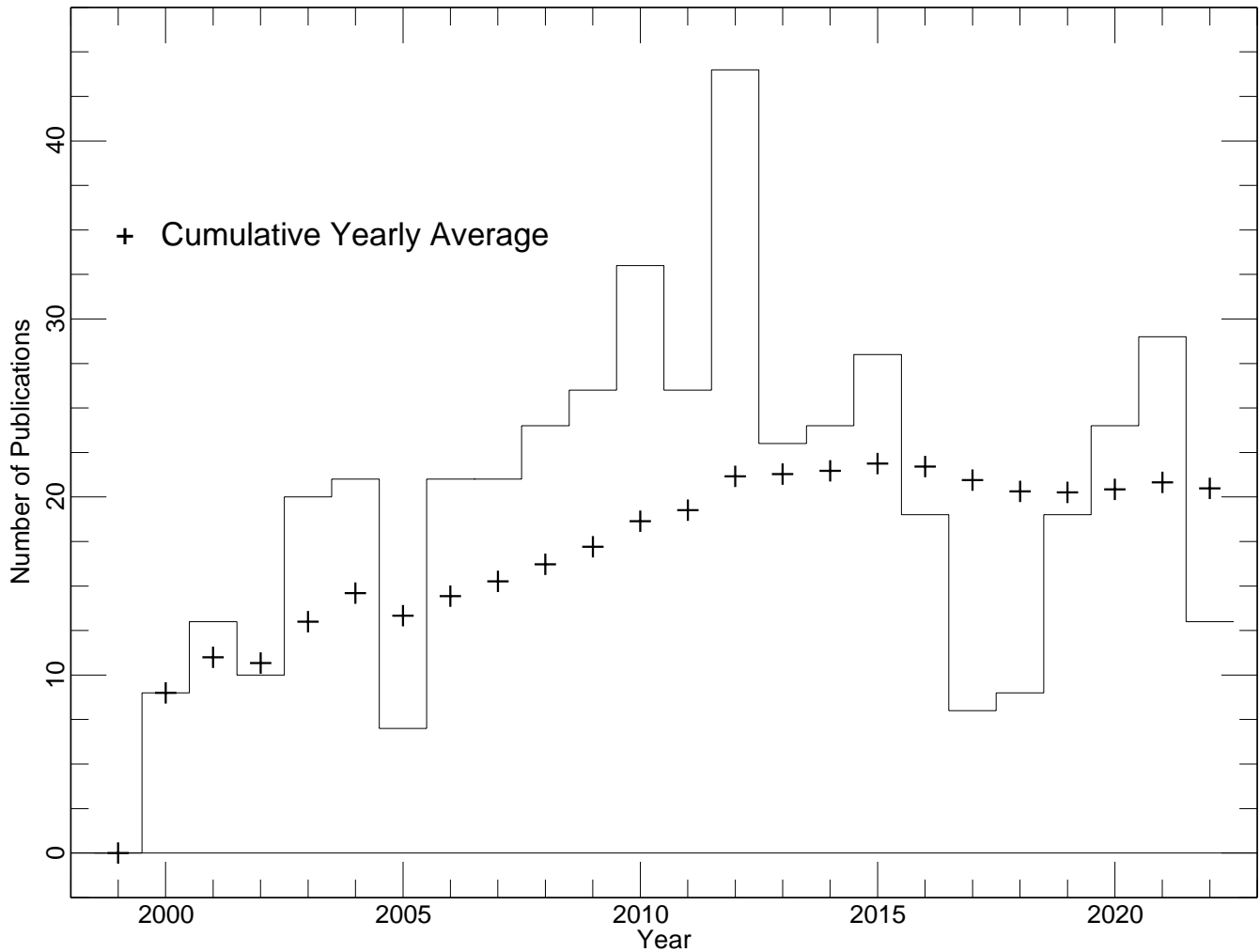
(33) A Survey for New Members of Taurus from Stellar to Planetary Masses. Esplin, T., and Luhman, K., 2019, AJ

(29) The Type II-P Supernova 2017ew: From Explosion to the Nebular Phase. Szalai, T., et al. 2019, ApJ

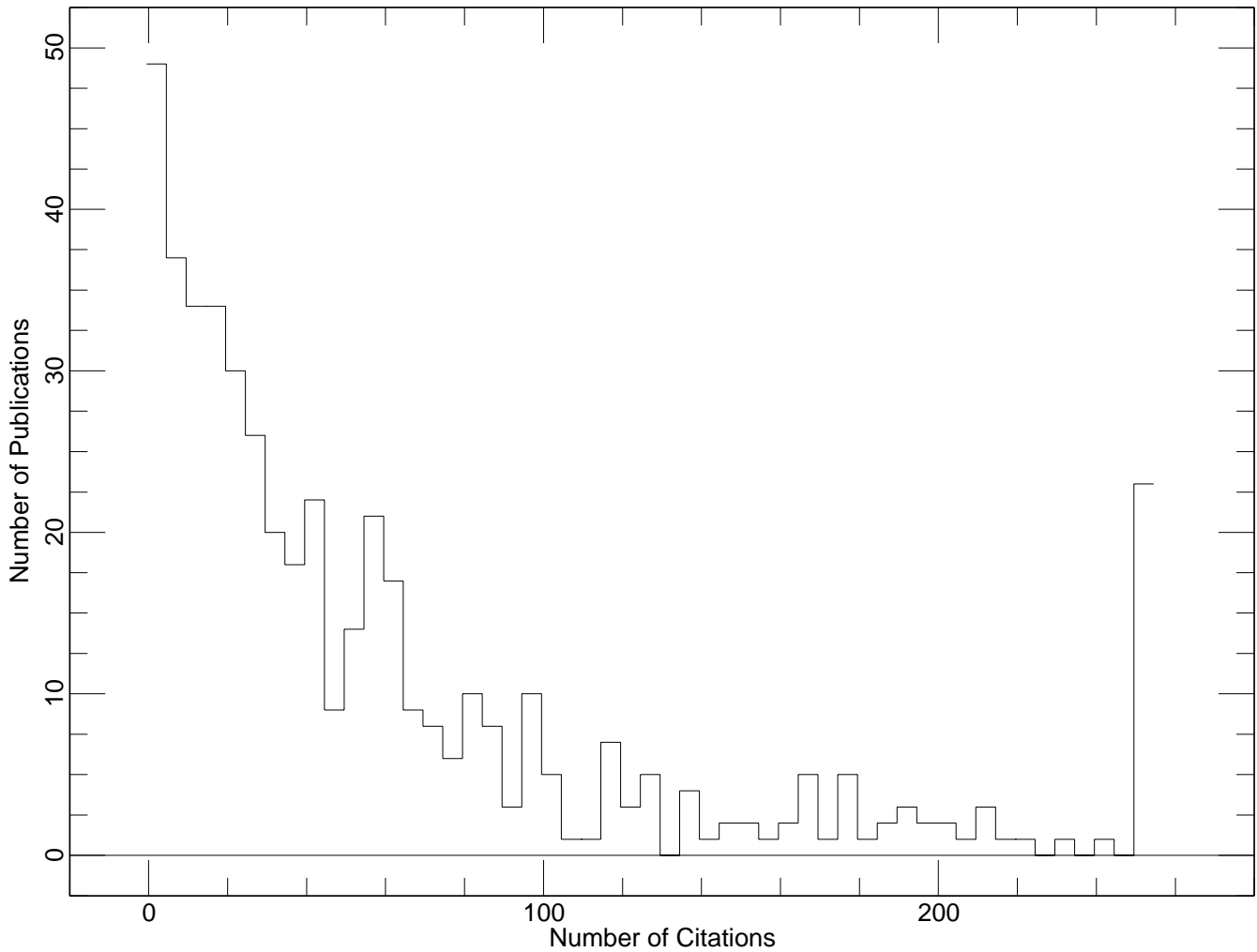
(28) A sub-Neptune-sized Planet Transiting the M2.5 Dwarf G-40: Validation with the Habitable-zone Planet Finder. Stefansson, G., et al. 2020, AJ

(22) Kepler-1661 b: A Neptune-sized Kepler Transiting Circumbinary Planet Around a Grazing Eclipsing Binary. Socia, Q.J., et al. 2020, AJ

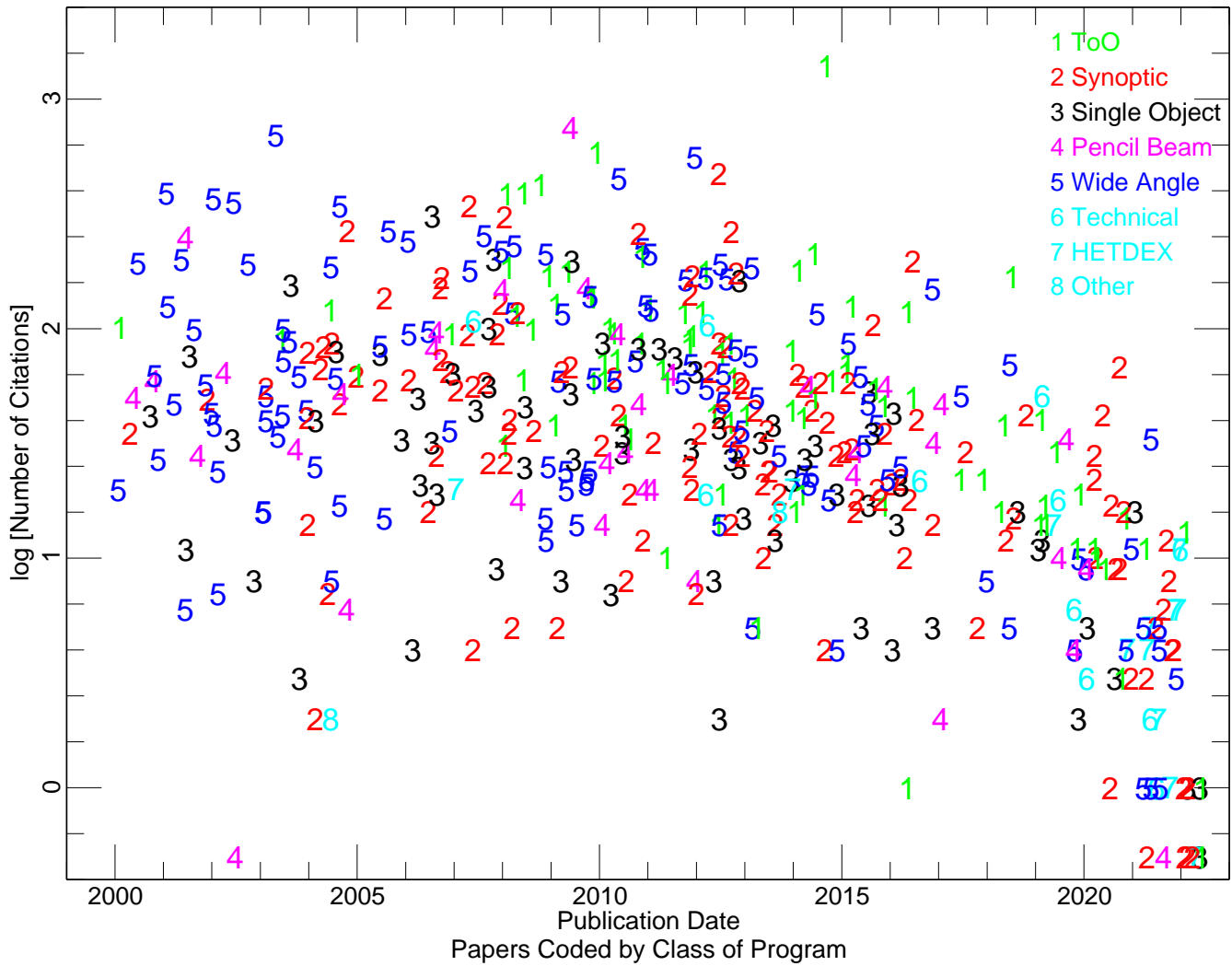
(19) SN 2017gmr: An Energetic Type II-P Supernova with Asymmetries. Andrews, J.R., et al. 2019, ApJ



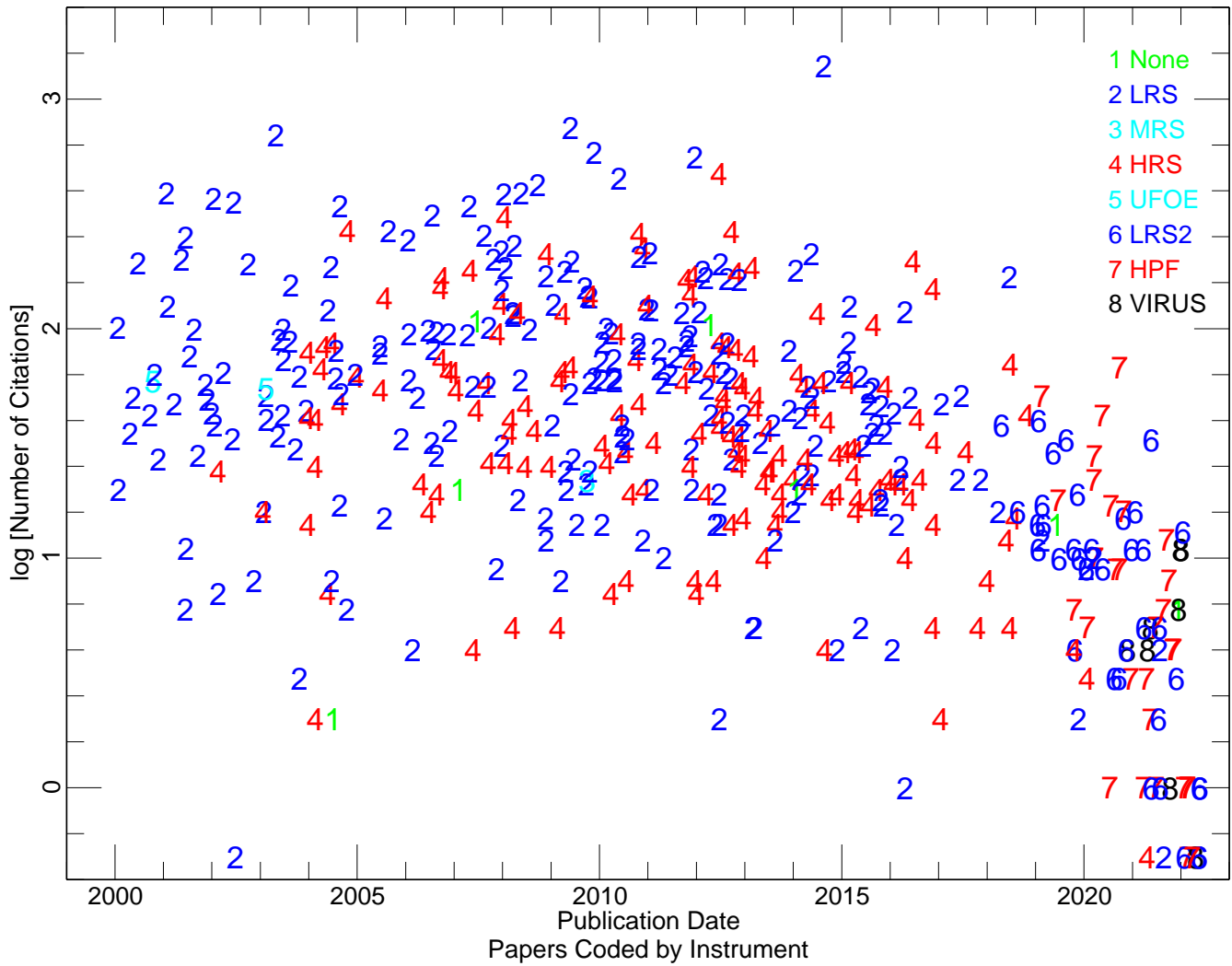
The number of HET publications each year (histogram) and the cumulative annual average of the annual number of publications (plus signs). A total of 471 HET papers have been published since the appearance of the first work in January 2000. Twenty-nine papers appeared in 2020; thirteen have been published in 2021 to date.



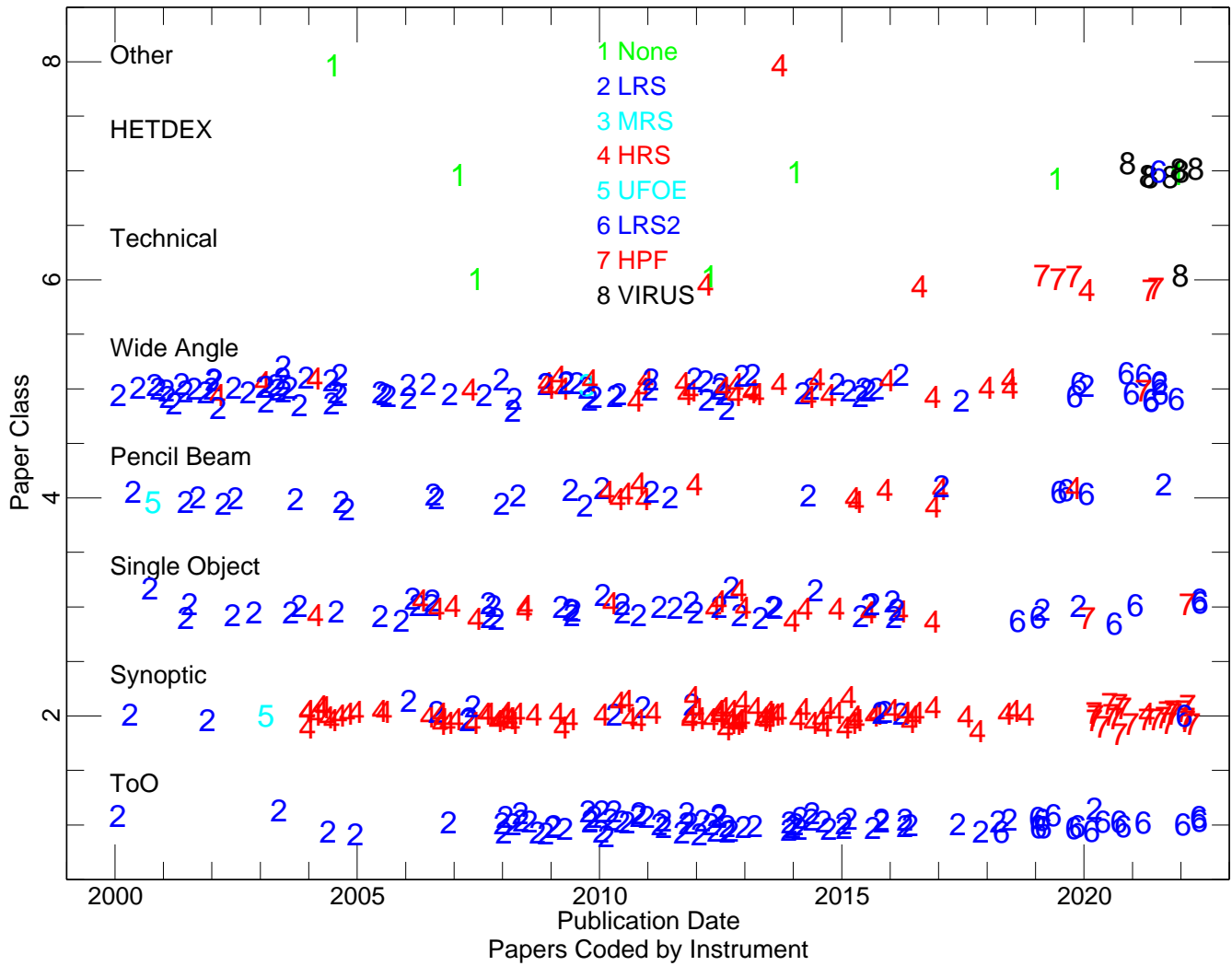
The histogram of the citation distribution of the 471 HET publications. Each bin has a width of five (e.g., the leftmost bin indicates the number of papers with 0, 1, 2, 3, or 4 citations). The rightmost bin contains all publications that have at least 250 citations (a total of 23 papers).



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.

N	Pub	Year	Cite	Title
1	315	2014	1396	Improved Cosmological Constraints From a Joint Analysis of the SDSS-III and
2	159	2009	753	Structure and Formation of Elliptical and Spheroidal Galaxies.
3	38	2003	697	A Survey of $z > 5.7$ Quasars in the Sloan Digital Sky Survey II. Discovery
4	171	2009	588	First-Year Sloan Digital Sky Survey-II Supernova Results: Hubble Diagram and
5	231	2011	559	The Second Catalog of Active Galactic Nuclei Detected by the Fermi Large Area
6	243	2012	474	An Abundance of Small Exoplanets Around Stars with a Wide Range of
7	187	2010	451	The First Catalog of Active Galactic Nuclei Detected by the Fermi Large Area
8	141	2008	425	Broadband Observations of the Naked-eye γ -ray Burst GRB 080319B.
9	136	2008	391	An Extremely Luminous X-ray Outburst at the Birth of a Supernova.
10	11	2001	389	High-Redshift Quasars Found in Sloan Digital Sky Survey Commissioning Data IV.
11	123	2008	386	The Sloan Digital Sky Survey-II Supernova Survey: Technical Summary.
12	24	2002	369	Towards Spectra Classification of L and T Dwarfs: Infrared and Optical
13	29	2002	355	Characterization of M, L, and T Dwarfs in the Sloan Digital Sky Survey.
14	104	2007	343	Reverberation Mapping of High-Luminosity Quasars: First Results.
15	68	2004	342	A Survey of $z > 5.7$ Quasars in the Sloan Digital Sky Survey. III. Discovery
16	91	2006	312	A Compact Supermassive Binary Black Hole System.
17	125	2008	306	Sodium Absorption from the Exoplanetary Atmosphere of HD 189733b Detected in
18	79	2005	268	The Sloan Digital Sky Survey Quasar Catalog III. Third Data Release.
19	70	2004	266	Detection of a Neptune-mass Planet in the ρ^1 Cancri System Using the
20	259	2012	264	Kepler-47: A Transiting Circumbinary Multiplanet System.
21	197	2010	259	The California Planet Survey. I. Four New Giant Exoplanets.
22	111	2007	255	The X-ray Properties of the Most Luminous Quasars from the Sloan Digital Sky
23	16	2001	251	The Chandra Deep Survey of the Hubble Deep Field North Area. II. Results from
24	81	2006	242	Binary Quasars in the Sloan Digital Sky Survey: Evidence for Excess Clustering
25	130	2008	231	CGRaBS: An All-Sky Survey of Gamma-Ray Blazar Candidates.
26	202	2010	224	Bulgeless Giant Galaxies Challenge Our Picture of Galaxy Formation by
27	119	2007	217	Four Quasars above Redshift 6 Discovered by the Canada-France High- z
28	207	2011	213	Supermassive Black Holes do not Correlate with Galaxy Disks or Psuedobulges.
29	311	2014	212	A Wolf-Rayet-like Progenitor of SN 2013cu from Spectral Observations of a
30	142	2008	212	The SEGUE Stellar Parameter Pipeline. III. Comparison with High-Resolution
31	198	2010	207	The Effect of Host Galaxies on Type Ia Supernovae in the SDSS-II Supernova
32	116	2007	201	SN 2005ap: A Most Brilliant Explosion.
33	13	2001	201	Colors of 2625 Quasars at $0 < z < 5$ Measured in the Sloan Digital Sky Survey
34	363	2016	197	State of the Field: Extreme Precision Radial Velocities.
35	160	2009	197	Luminous Thermal Flares from Quiescent Supermassive Black Holes.
36	5	2000	193	The Missing Link: Early Methane ("T") Dwarfs in the Sloan Digital Sky Survey.
37	31	2002	192	Large-Amplitude X-Ray Outbursts from Galactic Nuclei: A Systematic
38	248	2012	191	The Luminosity Function of Fermi-detected Flat-spectrum Radio Quasars.
39	60	2004	186	The Munich Near-Infrared Cluster Survey (MUNICS). VI. The Stellar Masses
40	277	2013	185	Oxygen Abundances in Nearby FGK Stars and the Galactic Chemical Evolution of
41	124	2008	184	The Sloan Digital Sky Survey-II Supernova Survey: Search Algorithm and
42	300	2014	179	A Panchromatic View of the Restless SN 2009ip Reveals the Explosive Ejection of
43	106	2007	179	Oxygen Abundances in Nearby Stars. Clues to the Formation and Evolution
44	155	2009	178	SN 2005cs in M51 II. Complete Evolution in the Optical and the Near-Infrared.
45	234	2012	177	Generalized Seim-analytical Models of Supernova Light Curves.
46	266	2012	175	The Neptune-sized Circumbinary Planet Kepler-38b.
47	227	2011	170	KOI-54: The Kepler Discovery of Tidally-Excited Pulsations and
48	143	2008	169	The Sloan Digital Sky Survey-II Photometry and Supernova Ia Light Curves
49	381	2018	168	The Data Release of the Sloan Digital Sky Survey-II Supernova Survey.
50	237	2012	167	Spectroscopy of Broad-line Blazars from 1LAC.

HET Papers Sorted by Number of Citations (continued)

N	Pub	Year	Cite	Title
51	97	2006	166	Exploring the frequency of Close-in Jovian Planets Around M Dwarfs.
52	258	2012	165	A Large Systematic Search for Close Supermassive Binary and Rapidly Recoiling
53	220	2011	164	The Distribution of the Elements in the Galactic Disk. III. A
54	270	2012	163	An Over-massive Black Hole in the Compact Lenticular Galaxy NGC 1277.
55	44	2003	155	Accretion Disk Wind in the AGN Broad Line Region: Spectroscopically Resolved
56	165	2009	150	An Infrared/X-ray Survey for New Members of the Taurus Star-Forming Region.
57	96	2006	150	A Transiting Planet of a Sun-like Star.
58	367	2016	149	The Solar Neighborhood. XXXVII: The Mass-Luminosity Relation for Main-sequence
59	121	2007	148	Dynamical Modelling of Luminous and Dark Matter in 17 Coma Early-Type Galaxies.
60	225	2011	141	The hot-Jupiter Kepler-17b: Discovery, Obliquity from Stroboscopic
61	164	2009	139	Variable Sodium Absorption in a Low-extinction Type Ia Supernova.
62	170	2009	138	Rotational Velocities for M Dwarfs.
63	167	2009	137	First-Year Sloan Digital Sky Survey-II (SDSS-II) Supernova Results:
64	78	2005	136	A Giant Planet Around the Massive Giant Star HD 13189.
65	120	2007	129	XO-2b: Transiting Hot Jupiter in a Metal-rich Common Proper Motion
66	148	2009	127	Discovery of the Ultra-Bright Type II-L Supernova 2008es.
67	205	2010	126	Extremely Metal-poor Stars in Classical Dwarf Spheroidal Galaxies: Fornax,
68	326	2015	125	Early-time Light Curves of Type Ib/c Supernovae from the SDSS-II Supernova
69	10	2001	125	High-Redshift Quasars Found in Sloan Digital Sky Survey Commissioning Data III.
70	204	2010	122	Results from the Supernova Photometric Classification Challenge.
71	206	2011	121	Supermassive Black Holes do not Correlate with Dark Matter Haloes of Galaxies.
72	58	2004	121	SN 2003du: Signatures of the Circumstellar Environment in a Normal Type Ia
73	360	2016	118	SN 2012cg: Evidence for Interaction Between a Normal Type Ia Supernova and a
74	232	2012	118	Very Early Ultraviolet and Optical Observations of the Type Ia
75	216	2011	117	Photometric Type Ia Supernova Candidates from the Three-Year SDSS-II SN
76	133	2008	117	XO-3b: A Massive Planet in an Eccentric Orbit Transiting an F5 V Star.
77	131	2008	117	Quasar Broad Absorption Line Variability on Multiyear Timescales.
78	313	2014	116	Binarity in Carbon-enhanced Metal-poor Stars.
79	152	2009	116	On the Magnetic Topology of Partially and Fully Convective Stars.
80	132	2008	114	Using Quantitative Spectroscopic Analysis to Determine the Properties and
81	109	2007	108	Ten Year Review of Queue Scheduling of the Hobby-Eberly Telescope.
82	341	2015	104	Kepler 453b - The 10 th Kepler Transiting Circumbinary Planet.
83	238	2012	104	Demonstration of On-sky Calibration of Astronomical Spectra Using a 25 GHz
84	114	2007	101	SN 2006hp: Probing the Shock Breakout of a Type II-P Supernova.
85	2	2000	101	GRB 991216 Joins the Jet Set: Discovery and Monitoring of Its Optical Afterglow.
86	178	2010	100	First-year Sloan Digital Sky Survey-II Supernova Results: Consistency and
87	139	2008	99	A Measurement of the Rate of Type Ia Supernovae at Redshift $z \sim 0.1$ from
88	42	2003	99	The Gamma-Ray Blazar Content of the Northern Sky.
89	18	2001	99	High-Redshift Quasars Found in Sloan Digital Sky Survey Commissioning Data VI.
90	87	2006	98	Chandra Observations of the Highest Redshift Quasars from the Sloan
91	93	2006	97	A Survey for New Members of Taurus with the Spitzer Space Telescope.
92	181	2010	96	The Rise and Fall of Type Ia Supernova Light Curves in the SDSS-II Supernova
93	186	2010	95	Abundances of Red Giants in Old Open Clusters. V. Be 31, Be 32, Be 39, M 67,
94	118	2007	95	A Planetary-Mass Companion to the K0 Giant HD 17092.
95	99	2006	95	Multiwavelength Observations of GRB 050810A: An Exceptionally Energetic Event
96	82	2006	95	Cool White Dwarfs in the Sloan Digital Sky Survey.
97	105	2007	94	Long-term Profile Variability of Double-Peaked Emission Lines in Active
98	221	2011	93	The Effect of Peculiar Velocities on Supernova Cosmology.
99	39	2003	90	GRB021004: a Massive Progenitor Star Surrounded by Shells.
100	219	2011	89	Improved Constraints on Type Ia Supernova Host Galaxy Properties Using

HET Papers Sorted by Number of Citations (continued)

N	Pub	Year	Cite	Title
101	45	2003	88	The Chandra Deep Field North Survey. XV. Optically Bright, X-ray-Faint Sources.
102	327	2015	87	Composite Bulges: The Coexistence of Classical Bulges and Discy Pseudo-bulges
103	174	2010	87	The Old and Heavy Bulge of M31 I. Kinematics and Stellar Populations.
104	256	2012	86	The SDSS-II Supernova Survey: Parameterizing the Type Ia Supernova Rate as
105	247	2012	86	A Detection of H α in an Exoplanetary Exosphere.
106	199	2010	86	Single or Double Degenerate Progenitors? Searching for Shock Emission in the
107	61	2004	86	Searching for Planets in the Hyades. V. Limits on Planet Detection in the
108	218	2011	84	A More General Model for the Intrinsic Scatter in Type Ia Supernova Distance
109	76	2005	84	A Northern Survey of Gamma-Ray Blazar Candidates.
110	255	2012	83	The PTF Orion Project: A Possible Planet Transiting a T-Tauri Star.
111	57	2004	83	Dynamical Mass Constraints on Low-Mass Pre-Main-Sequence Stellar Evolutionary
112	211	2011	82	Implications of Dramatic Broad Absorption Line Variability in the Quasar
113	200	2010	82	A Tidal Disruption Flare in Abell 1689 from an Archival X-ray Survey of Galaxy
114	89	2006	82	The Spatial Distribution of Brown Dwarfs in Taurus.
115	264	2012	81	Oxygen Abundances in Low- and High- α Field Halo Stars and the
116	295	2013	80	The Very Young Type Ia Supernova 2013dy: Discovery, and Strong Carbon
117	65	2004	80	Q0906+6930: The Highest Redshift Blazar.
118	50	2003	79	A Dedicated M-Dwarf Planet Search Using The Hobby-Eberly Telescope.
119	249	2012	78	Linking Type Ia Supernova Progenitors and Their Resulting Explosions.
120	74	2005	78	X-Ray Lighthouses of the High-Redshift Universe. II. Further Snapshot
121	276	2013	76	H α Activity of Old M Dwarfs: Stellar Cycles and Mean
122	17	2001	76	Hubble Space Telescope Images of Stephan's Quintet: Star Cluster Formation in a
123	215	2011	75	A Population of X-Ray Weak Quasars: PHL 1811 Analogs at High Redshift.
124	195	2010	73	Hot Subdwarf Stars in Close-up View. II. Rotational Properties and Wide
125	184	2010	73	Measurements of the Rate of Type Ia Supernovae at Redshift ~ 0.3 from
126	95	2006	73	The First Extrasolar Planet Discovered with a New-Generation High-Throughput
127	43	2003	73	Chandra and XMM Newton Observations of the First Quasars: X-Rays From the Age
128	173	2010	72	Early- and Late-Time Observations of SN 2008ha: Additional Constraints for the
129	323	2015	71	A Luminous, Fast Rising UV-transient Discovered by ROTSE: A Tidal Disruption
130	383	2018	70	CARMENES Input Catalog of M Dwarfs. III. Rotation and Activity from High
131	224	2011	70	The Chemical Abundances of Stars in the Halo (CASH)
132	421	2020	68	A Giant Planet Candidate Transiting a White Dwarf.
133	158	2009	68	A Search for Multi-Planet Systems Using the Hobby-Eberly Telescope.
134	210	2011	67	SN 2008 am: A Super-luminous Type II _n Supernova.
135	56	2004	67	Searching for Planets in the Hyades III. The Quest for Short-Period Planets.
136	324	2015	65	The Broad-lined Type Ic SN 2012ap and the Nature of Relativistic Supernovae
137	239	2012	65	The McDonald Observatory Planet Search: New Long-period Giant Planets
138	230	2011	65	The Orbit and Companion of Probable Gamma-Ray Pulsar J2339–0533.
139	151	2009	65	A Planet in a 0.6 AU Orbit Around the K0 Giant HD 102272.
140	98	2006	65	2MASS J05162881+2607387: A New Low-mass Double-lined Eclipsing Binary.
141	252	2012	64	Kinematic Signatures of Bulges Correlate with Bulge Morphologies and
142	101	2006	64	Metallicities of M Dwarf Planet Hosts from Spectral Synthesis.
143	27	2002	64	The Chandra Deep Field North Survey. IX. Extended X-Ray Sources.
144	299	2014	63	Three Planetary Companions Around M67 Stars.
145	214	2011	63	A Spectroscopic and Photometric Survey of Novae in M31.
146	73	2004	63	Signature of Electron Capture in Iron-rich Ejecta of SN 2003du.
147	8	2000	63	Five High-Redshift Quasars Discovered in Commissioning Imaging Data of the
148	335	2015	62	Hunting for Supermassive Black Holes in Nearby Galaxies with the Hobby-Eberly
149	72	2004	62	High-Resolution Spectroscopy of the Transiting Planet Host Star TrES-1.
150	47	2003	62	The Munich Near-Infrared Cluster Survey. II. The K-Band Luminosity Function

HET Papers Sorted by Number of Citations (continued)

N	Pub	Year	Cite	Title
151	260	2012	61	The Very Young Type-Ia SN 2012cg: Discovery and Pre-Maximum Brightness
152	182	2010	61	Long-Term Profile Variability in Active Galactic Nuclei with Double-Peaked
153	172	2009	61	Planetary Nebulae in Face-On Spiral Galaxies. III. Planetary Nebula
154	64	2004	61	Blazar Counterparts for 3EG Sources at $-40^\circ < \delta < 0^\circ$: Pushing
155	177	2010	60	Type II-P Supernovae from the SDSS-II Supernova Survey and the Standardized
156	135	2008	60	First-Year Spectroscopy for the Sloan Digital Sky Survey-II Supernova Survey.
157	83	2006	60	SN 2005cg: Explosion Physics and Circumstellar Interaction of Normal
158	317	2014	59	The Core Collapse Supernova Rate From the SDSS-II Supernova Survey.
159	183	2010	59	The Evolution of Quasar C IV and Si IV Broad Absorption Lines Over
160	150	2009	59	Calibrating M-dwarf Metallicities Using Molecular Indices: Extension to
161	7	2000	59	Spectroscopy of Blue Stragglers and Turnoff Stars in M67 (NGC 2682).
162	328	2015	58	Radial Velocity Observations and Light Curve Noise Modeling Confirm that
163	314	2014	58	A Misaligned Prograde Orbit for Kepler-13 AB via Doppler Tomography.
164	267	2012	58	Revisiting ρ^1 Cancri e: A New Mass Determination of the
165	213	2011	58	PTF 10fq: A Luminous Red Nova in the Spiral Galaxy Messier 99.
166	217	2011	58	Silicon and Oxygen Abundances in Planet-host Stars.
167	168	2009	58	Multi-Wavelength Properties of the Type IIb SN 2008ax.
168	112	2007	58	The Mass of the Candidate Exoplanet Companion to HD 33636 from Hubble Space
169	21	2001	57	Exploratory Chandra Observations of the Highest-Redshift Quasars: X-rays from
170	349	2015	56	The Early Days of the Sculptor Dwarf Galaxy.
171	306	2014	56	A WISE Survey of Circumstellar Disks in Taurus
172	303	2014	56	KIC 3858884: A Hybrid δ Scuti Pulsator in a Highly Eccentric
173	113	2007	56	SN 2005hj: Evidence for Two Classes of Normal-Bright SNe Ia and Implications
174	108	2007	56	Results of Monitoring the Dramatically Variable C IV Mini-BAL System
175	340	2015	55	High-velocity Features of Calcium and Silicon in the Spectra of Type Ia
176	273	2012	55	The Discovery of HD 37605c and a Dispositive Null Detection of Transits of
177	236	2012	55	X-Ray and Multiwavelength Insights into the Nature of Weak Emission-line
178	36	2003	55	The Blue Straggler RS Canum Venaticorum Star S1082 in M67: A Detailed
179	102	2007	54	Long-Period Objects in the Extrasolar Planetary Systems 47 UMa and 14 Her.
180	75	2005	54	A New Detached M Dwarf Eclipsing Binary.
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461	418	2020	1	Following the TraCS of exoplanets with Pan-Planets: Wendelstein-1b and
462	359	2016	1	Possible Detection of Singly Ionized Oxygen in the Type Ia SN 2010kg.
463	466	2022	0	Rotational Modulation of Spectroscopic Zeeman Signatures in Low-mass Stars.
464	470	2022	0	Close, Bright, and Boxy: the Superluminous SN 2018hti.
465	467	2022	0	Surface Brightness Profile of Lyman- α Halos out to 320 kpc in HETDEX.
466	460	2022	0	The Great Slump: Mrk 926 Reveals Discrete and Varying Balmer Line Satellite
467	462	2022	0	Gaia 20eae: A Newly Discovered Episodically Accreting Young Star.
468	468	2022	0	The Energetics of the Central Engine in the Powerful Quasar 3C 298.
469	447	2021	0	A Galaxy Cluster in the Innermost Zone of Avoidance, Close to the Radio
470	436	2021	0	Tracking Advanced Planetary Systems (TAPAS) with HARPS-N. VII. Elder Suns with
471	30	2002	0	Suspected Wolf-Rayet Galaxies UM 456 and UM 594.