

Mark E Huber

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

3,074
citations

186265

28
h-index

197818

49
g-index

50
all docs

50
docs citations

50
times ranked

4780
citing authors

#	ARTICLE	IF	CITATIONS
1	The Pan-STARRS1 Database and Data Products. <i>Astrophysical Journal, Supplement Series</i> , 2020, 251, 7.	7.7	348
2	SUPER-LUMINOUS TYPE Ic SUPERNOVAE: CATCHING A MAGNETAR BY THE TAIL. <i>Astrophysical Journal</i> , 2013, 770, 128.	4.5	332
3	THE CONTRIBUTION OF FERMI-2LAC BLAZARS TO DIFFUSE TEV-PEV NEUTRINO FLUX. <i>Astrophysical Journal</i> , 2017, 835, 45.	4.5	186
4	Testing LMC Microlensing Scenarios: The Discrimination Power of the SuperMACHO Microlensing Survey. <i>Astrophysical Journal</i> , 2005, 634, 1103-1115.	4.5	160
5	The Cow: Discovery of a Luminous, Hot, and Rapidly Evolving Transient. <i>Astrophysical Journal Letters</i> , 2018, 865, L3.	8.3	146
6	Pan-STARRS Photometric and Astrometric Calibration. <i>Astrophysical Journal, Supplement Series</i> , 2020, 251, 6.	7.7	138
7	SN 2015bn: A DETAILED MULTI-WAVELENGTH VIEW OF A NEARBY SUPERLUMINOUS SUPERNOVA. <i>Astrophysical Journal</i> , 2016, 826, 39.	4.5	133
8	SUPERCAL: CROSS-CALIBRATION OF MULTIPLE PHOTOMETRIC SYSTEMS TO IMPROVE COSMOLOGICAL MEASUREMENTS WITH TYPE Ia SUPERNOVAE. <i>Astrophysical Journal</i> , 2015, 815, 117.	4.5	117
9	Measuring Dark Energy Properties with Photometrically Classified Pan-STARRS Supernovae. II. Cosmological Parameters. <i>Astrophysical Journal</i> , 2018, 857, 51.	4.5	116
10	AN ALL-SKY SEARCH FOR THREE FLAVORS OF NEUTRINOS FROM GAMMA-RAY BURSTS WITH THE ICECUBE NEUTRINO OBSERVATORY. <i>Astrophysical Journal</i> , 2016, 824, 115.	4.5	109
11	Should Type Ia Supernova Distances Be Corrected for Their Local Environments?. <i>Astrophysical Journal</i> , 2018, 867, 108.	4.5	98
12	Pan-STARRS Pixel Processing: Detrending, Warping, Stacking. <i>Astrophysical Journal, Supplement Series</i> , 2020, 251, 4.	7.7	77
13	A PERIODICALLY VARYING LUMINOUS QUASAR AT $z = 2$ FROM THE PAN-STARRS1 MEDIUM DEEP SURVEY: A CANDIDATE SUPERMASSIVE BLACK HOLE BINARY IN THE GRAVITATIONAL WAVE-DRIVEN REGIME. <i>Astrophysical Journal Letters</i> , 2015, 803, L16.	8.3	75
14	PS18kh: A New Tidal Disruption Event with a Non-axisymmetric Accretion Disk. <i>Astrophysical Journal</i> , 2019, 880, 120.	4.5	68
15	The Pan-STARRS Data-processing System. <i>Astrophysical Journal, Supplement Series</i> , 2020, 251, 3.	7.7	68
16	The Foundation Supernova Survey: Measuring Cosmological Parameters with Supernovae from a Single Telescope. <i>Astrophysical Journal</i> , 2019, 881, 19.	4.5	67
17	On the nature of hydrogen-rich superluminous supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 1046-1072.	4.4	65
18	Pan-STARRS Pixel Analysis: Source Detection and Characterization. <i>Astrophysical Journal, Supplement Series</i> , 2020, 251, 5.	7.7	65

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19	Supermassive Black Hole Binary Candidates from the Pan-STARRS1 Medium Deep Survey. <i>Astrophysical Journal</i> , 2019, 884, 36.	4.5	59
20	A SYSTEMATIC SEARCH FOR PERIODICALLY VARYING QUASARS IN PAN-STARRS1: AN EXTENDED BASELINE TEST IN MEDIUM DEEP SURVEY FIELD MD09. <i>Astrophysical Journal</i> , 2016, 833, 6.	4.5	56
21	The Young Supernova Experiment: Survey Goals, Overview, and Operations. <i>Astrophysical Journal</i> , 2021, 908, 143.	4.5	52
22	THE GALEX TIME DOMAIN SURVEY. I. SELECTION AND CLASSIFICATION OF OVER A THOUSAND ULTRAVIOLET VARIABLE SOURCES. <i>Astrophysical Journal</i> , 2013, 766, 60.	4.5	48
23	Measuring the Properties of Dark Energy with Photometrically Classified Pan-STARRS Supernovae. I. Systematic Uncertainty from Core-collapse Supernova Contamination. <i>Astrophysical Journal</i> , 2017, 843, 6.	4.5	47
24	A SEARCH FOR AN OPTICAL COUNTERPART TO THE GRAVITATIONAL-WAVE EVENT GW151226. <i>Astrophysical Journal Letters</i> , 2016, 827, L40.	8.3	38
25	Observations of the GRB Afterglow ATLAS17aeu and Its Possible Association with GW 170104. <i>Astrophysical Journal</i> , 2017, 850, 149.	4.5	38
26	Search for Multimessenger Sources of Gravitational Waves and High-energy Neutrinos with Advanced LIGO during Its First Observing Run, ANTARES, and IceCube. <i>Astrophysical Journal</i> , 2019, 870, 134.	4.5	32
27	All-sky Measurement of the Anisotropy of Cosmic Rays at 10 TeV and Mapping of the Local Interstellar Magnetic Field. <i>Astrophysical Journal</i> , 2019, 871, 96.	4.5	32
28	SN2018kzr: A Rapidly Declining Transient from the Destruction of a White Dwarf. <i>Astrophysical Journal Letters</i> , 2019, 885, L23.	8.3	28
29	The lowest-metallicity type II supernova from the highest-mass red supergiant progenitor. <i>Nature Astronomy</i> , 2018, 2, 574-579.	10.1	26
30	The Splitting of Double-component Active Asteroid P/2016 J1 (PANSTARRS). <i>Astrophysical Journal Letters</i> , 2017, 837, L3.	8.3	24
31	The Curious Case of ASASSN-20hx: A Slowly Evolving, UV- and X-Ray-Luminous, Ambiguous Nuclear Transient. <i>Astrophysical Journal</i> , 2022, 930, 12.	4.5	23
32	The Lowest of the Low: Discovery of SN 2019gsc and the Nature of Faint Iax Supernovae. <i>Astrophysical Journal Letters</i> , 2020, 892, L24.	8.3	20
33	A Dwarf Planet Class Object in the 21:5 Resonance with Neptune. <i>Astrophysical Journal Letters</i> , 2018, 855, L6.	8.3	17
34	SN 2019yvq Does Not Conform to SN Ia Explosion Models. <i>Astrophysical Journal</i> , 2021, 914, 50.	4.5	15
35	The Outburst of the Young Star Gaia19bey. <i>Astronomical Journal</i> , 2020, 160, 164.	4.7	14
36	Orphan GRB Afterglow Searches with the Pan-STARRS1 COSMOS Survey. <i>Astrophysical Journal</i> , 2020, 897, 69.	4.5	14

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37	PS15cey and PS17cke: prospective candidates from the Pan-STARRS Search for kilonovae. Monthly Notices of the Royal Astronomical Society, 2020, 500, 4213-4228.	4.4	13
38	THE GALEX TIME DOMAIN SURVEY. II. WAVELENGTH-DEPENDENT VARIABILITY OF ACTIVE GALACTIC NUCLEI IN THE PAN-STARRS1 MEDIUM DEEP SURVEY. Astrophysical Journal, 2016, 833, 226.	4.5	12
39	Searching for Super-fast Rotators Using the Pan-STARRS 1. Astrophysical Journal, Supplement Series, 2019, 241, 6.	7.7	12
40	The Changing-look Blazar B2 1420+32. Astrophysical Journal, 2021, 913, 146.	4.5	12
41	The Rapid X-Ray and UV Evolution of ASASSN-14ko. Astrophysical Journal, 2022, 926, 142.	4.5	12
42	Ram pressure candidates in UNIONS. Monthly Notices of the Royal Astronomical Society, 2021, 509, 1342-1357.	4.4	11
43	M DWARF ACTIVITY IN THE PAN-STARRS1 MEDIUM-DEEP SURVEY: FIRST CATALOG AND ROTATION PERIODS. Astrophysical Journal, 2016, 833, 281.	4.5	10
44	SN 2018agk: A Prototypical Type Ia Supernova with a Smooth Power-law Rise in Kepler (K2). Astrophysical Journal, 2021, 923, 167.	4.5	10
45	Detection of the Temporal Variation of the Sun's Cosmic Ray Shadow with the IceCube Detector. Astrophysical Journal, 2019, 872, 133.	4.5	7
46	SN2017jgh: a high-cadence complete shock cooling light curve of a SN ^{II} b with the <i>Kepler</i> telescope. Monthly Notices of the Royal Astronomical Society, 2021, 507, 3125-3138.	4.4	7
47	The Foundation Supernova Survey: Photospheric Velocity Correlations in Type Ia Supernovae. Astrophysical Journal, 2021, 923, 267.	4.5	7
48	Asteroid Discovery and Light Curve Extraction Using the Hough Transform: A Rotation Period Study for Subkilometer Main-belt Asteroids. Astronomical Journal, 2020, 159, 25.	4.7	6
49	PanSTARRS1 Observations of the Kepler/K2 Campaign 16 and 17 Fields. Research Notes of the AAS, 2018, 2, 178.	0.7	4