

Nicholas Kaiser

List of Publications by Year in descending order

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140
papers

16,126
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22153

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10788
citing authors

#	ARTICLE	IF	CITATIONS
1	The Complete Light-curve Sample of Spectroscopically Confirmed SNe Ia from Pan-STARRS1 and Cosmological Constraints from the Combined Pantheon Sample. <i>Astrophysical Journal</i> , 2018, 859, 101.	4.5	1,694
2	THE Pan-STARRS1 PHOTOMETRIC SYSTEM. <i>Astrophysical Journal</i> , 2012, 750, 99.	4.5	729
3	A Method for Weak Lensing Observations. <i>Astrophysical Journal</i> , 1995, 449, 460.	4.5	634
4	THE DEEP2 GALAXY REDSHIFT SURVEY: DESIGN, OBSERVATIONS, DATA REDUCTION, AND REDSHIFTS. <i>Astrophysical Journal</i> , Supplement Series, 2013, 208, 5.	7.7	544
5	Pan-STARRS: A Large Synoptic Survey Telescope Array. , 2002, , .		500
6	A THREE-DIMENSIONAL MAP OF MILKY WAY DUST. <i>Astrophysical Journal</i> , 2015, 810, 25.	4.5	408
7	An ultravioletâ€“optical flare from the tidal disruption of a helium-rich stellar core. <i>Nature</i> , 2012, 485, 217-220.	27.8	373
8	The Pan-STARRS1 Database and Data Products. <i>Astrophysical Journal</i> , Supplement Series, 2020, 251, 7.	7.7	348
9	The Pan-STARRS wide-field optical/NIR imaging survey. <i>Proceedings of SPIE</i> , 2010, , .	0.8	337
10	Galactic reddening in 3D from stellar photometry â€“ an improved map. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 651-666.	4.4	337
11	SUPER-LUMINOUS TYPE Ic SUPERNOVAE: CATCHING A MAGNETAR BY THE TAIL. <i>Astrophysical Journal</i> , 2013, 770, 128.	4.5	332
12	The Deep Evolutionary Exploratory Probe 2 Galaxy Redshift Survey: The Galaxy Luminosity Function to z=1. <i>Astrophysical Journal</i> , 2006, 647, 853-873.	4.5	327
13	PHOTOMETRIC CALIBRATION OF THE FIRST 1.5 YEARS OF THE PAN-STARRS1 SURVEY. <i>Astrophysical Journal</i> , 2012, 756, 158.	4.5	311
14	THE PAN-STARRS 1 PHOTOMETRIC REFERENCE LADDER, RELEASE 12.01. <i>Astrophysical Journal</i> , Supplement Series, 2013, 205, 20.	7.7	270
15	THE PAN-STARRS1 DISTANT z>5.6 QUASAR SURVEY: MORE THAN 100 QUASARS WITHIN THE FIRST GYR OF THE UNIVERSE. <i>Astrophysical Journal</i> , Supplement Series, 2016, 227, 11.	7.7	266
16	COSMOLOGICAL CONSTRAINTS FROM MEASUREMENTS OF TYPE Ia SUPERNOVAE DISCOVERED DURING THE FIRST 1.5 yr OF THE Pan-STARRS1 SURVEY. <i>Astrophysical Journal</i> , 2014, 795, 44.	4.5	262
17	RAPIDLY EVOLVING AND LUMINOUS TRANSIENTS FROM PAN-STARRS1. <i>Astrophysical Journal</i> , 2014, 794, 23.	4.5	254
18	The 2dF Galaxy Redshift Survey: spectral types and luminosity functions. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999, 308, 459-472.	4.4	248

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19	Physical Properties of 15 Quasars at $z \approx 6.5$. <i>Astrophysical Journal</i> , 2017, 849, 91.	4.5	230
20	Slowly fading super-luminous supernovae that are not pair-instability explosions. <i>Nature</i> , 2013, 502, 346-349.	27.8	226
21	HYDROGEN-POOR SUPERLUMINOUS SUPERNOVAE AND LONG-DURATION GAMMA-RAY BURSTS HAVE SIMILAR HOST GALAXIES. <i>Astrophysical Journal</i> , 2014, 787, 138.	4.5	221
22	ULTRA-BRIGHT OPTICAL TRANSIENTS ARE LINKED WITH TYPE Ic SUPERNOVAE. <i>Astrophysical Journal Letters</i> , 2010, 724, L16-L21.	8.3	217
23	A systematic search for changing-look quasars in SDSS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 389-404.	4.4	215
24	GaBoDS: The Garching-Bonn Deep Survey. <i>Astronomische Nachrichten</i> , 2005, 326, 432-464.	1.2	203
25	THE EXTREMELY RED, YOUNG L DWARF PSO J318.5338+22.8603: A FREE-FLOATING PLANETARY-MASS ANALOG TO DIRECTLY IMAGED YOUNG GAS-GIANT PLANETS. <i>Astrophysical Journal Letters</i> , 2013, 777, L20.	8.3	203
26	SAGITTARIUS II, DRACO II AND LAEVENS 3: THREE NEW MILKY WAY SATELLITES DISCOVERED IN THE PAN-STARRS 1 3 σ SURVEY. <i>Astrophysical Journal</i> , 2015, 813, 44.	4.5	196
27	THE OPTICAL+INFRARED EXTINCTION CURVE AND ITS VARIATION IN THE MILKY WAY. <i>Astrophysical Journal</i> , 2016, 821, 78.	4.5	185
28	Pan-STARRS1 DISCOVERY OF TWO ULTRALUMINOUS SUPERNOVAE AT $z \approx 0.9$. <i>Astrophysical Journal</i> , 2011, 743, 114.	4.5	168
29	THE ULTRAVIOLET-BRIGHT, SLOWLY DECLINING TRANSIENT PS1-11af AS A PARTIAL TIDAL DISRUPTION EVENT. <i>Astrophysical Journal</i> , 2014, 780, 44.	4.5	166
30	A LARGE CATALOG OF ACCURATE DISTANCES TO MOLECULAR CLOUDS FROM PS1 PHOTOMETRY. <i>Astrophysical Journal</i> , 2014, 786, 29.	4.5	164
31	THE IDENTIFICATION OF z -DROPOUTS IN PAN-STARRS1: THREE QUASARS AT $6.5 < z < 6.7$. <i>Astrophysical Journal Letters</i> , 2015, 801, L11.	8.3	151
32	TOWARD CHARACTERIZATION OF THE TYPE IIP SUPERNOVA PROGENITOR POPULATION: A STATISTICAL SAMPLE OF LIGHT CURVES FROM Pan-STARRS1. <i>Astrophysical Journal</i> , 2015, 799, 208.	4.5	149
33	Pan-STARRS Photometric and Astrometric Calibration. <i>Astrophysical Journal, Supplement Series</i> , 2020, 251, 6.	7.7	138
34	A NEW FAINT MILKY WAY SATELLITE DISCOVERED IN THE PAN-STARRS1 3 σ SURVEY. <i>Astrophysical Journal Letters</i> , 2015, 802, L18.	8.3	135
35	SYSTEMATIC UNCERTAINTIES ASSOCIATED WITH THE COSMOLOGICAL ANALYSIS OF THE FIRST PAN-STARRS1 TYPE Ia SUPERNOVA SAMPLE. <i>Astrophysical Journal</i> , 2014, 795, 45.	4.5	131
36	DISCOVERY OF EIGHT $z \approx 6$ QUASARS FROM Pan-STARRS1. <i>Astronomical Journal</i> , 2014, 148, 14.	4.7	126

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37	The Pan-STARRS Moving Object Processing System. Publications of the Astronomical Society of the Pacific, 2013, 125, 357-395.	3.1	124
38	Design of the Pan-STARRS telescopes. Astronomische Nachrichten, 2004, 325, 636-642.	1.2	121
39	Understanding caustic crossings in giant arcs: Characteristic scales, event rates, and constraints on compact dark matter. Physical Review D, 2018, 97, .	4.7	121
40	SUPERCAL: CROSS-CALIBRATION OF MULTIPLE PHOTOMETRIC SYSTEMS TO IMPROVE COSMOLOGICAL MEASUREMENTS WITH TYPE Ia SUPERNOVAE. Astrophysical Journal, 2015, 815, 117.	4.5	117
41	Measuring Dark Energy Properties with Photometrically Classified Pan-STARRS Supernovae. II. Cosmological Parameters. Astrophysical Journal, 2018, 857, 51.	4.5	116
42	Machine-learned Identification of RR Lyrae Stars from Sparse, Multi-band Data: The PS1 Sample. Astronomical Journal, 2017, 153, 204.	4.7	112
43	Changing-look Quasar Candidates: First Results from Follow-up Spectroscopy of Highly Optically Variable Quasars. Astrophysical Journal, 2019, 874, 8.	4.5	106
44	The Sloan Digital Sky Survey Reverberation Mapping Project: Sample Characterization. Astrophysical Journal, Supplement Series, 2019, 241, 34.	7.7	102
45	A synoptic map of halo substructures from the Pan-STARRS1 3i survey. Monthly Notices of the Royal Astronomical Society, 2016, 463, 1759-1768.	4.4	97
46	Extreme magnification of an individual star at redshift 1.5 by a galaxy-cluster lens. Nature Astronomy, 2018, 2, 334-342.	10.1	97
47	HYPERCALIBRATION: A PAN-STARRS1-BASED RECALIBRATION OF THE SLOAN DIGITAL SKY SURVEY PHOTOMETRY. Astrophysical Journal, 2016, 822, 66.	4.5	91
48	A NEW DISTANT MILKY WAY GLOBULAR CLUSTER IN THE PAN-STARRS1 3i SURVEY. Astrophysical Journal Letters, 2014, 786, L3.	8.3	88
49	Hydrogen-poor Superluminous Supernovae from the Pan-STARRS1 Medium Deep Survey. Astrophysical Journal, 2018, 852, 81.	4.5	88
50	CONSTRAINING THE RADIO-LOUD FRACTION OF QUASARS AT $z > 5.5$. Astrophysical Journal, 2015, 804, 118.	4.5	87
51	Photometry and Proper Motions of M, L, and T Dwarfs from the Pan-STARRS1 3i Survey. Astrophysical Journal, Supplement Series, 2018, 234, 1.	7.7	86
52	A MAP OF DUST REDDENING TO 4.5 kpc FROM Pan-STARRS1. Astrophysical Journal, 2014, 789, 15.	4.5	85
53	LACERTA I AND CASSIOPEIA III. TWO LUMINOUS AND DISTANT ANDROMEDA SATELLITE DWARF GALAXIES FOUND IN THE 3i PAN-STARRS1 SURVEY. Astrophysical Journal, 2013, 772, 15.	4.5	81
54	WIDE COOL AND ULTRACOOL COMPANIONS TO NEARBY STARS FROM Pan-STARRS 1. Astrophysical Journal, 2014, 792, 119.	4.5	78

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55	Pan-STARRS Pixel Processing: Detrending, Warping, Stacking. <i>Astrophysical Journal, Supplement Series</i> , 2020, 251, 4.	7.7	77
56	A PERIODICALLY VARYING LUMINOUS QUASAR AT $\langle i \rangle_z \langle i \rangle = 2$ 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
57	Dark Matter under the Microscope: Constraining Compact Dark Matter with Caustic Crossing Events. <i>Astrophysical Journal</i> , 2018, 857, 25.	4.5	75
58	DISCOVERY OF A NEW RETROGRADE TRANS-NEPTUNIAN OBJECT: HINT OF A COMMON ORBITAL PLANE FOR LOW SEMIMAJOR AXIS, HIGH-INCLINATION TNOs AND CENTAURS. <i>Astrophysical Journal Letters</i> , 2016, 827, L24.	8.3	70
59	Selecting superluminous supernovae in faint galaxies from the first year of the Pan-STARRS1 Medium Deep Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 448, 1206-1231.	4.4	69
60	PS1-14bj: A HYDROGEN-POOR SUPERLUMINOUS SUPERNOVA WITH A LONG RISE AND SLOW DECAY. <i>Astrophysical Journal</i> , 2016, 831, 144.	4.5	68
61	The Pan-STARRS Data-processing System. <i>Astrophysical Journal, Supplement Series</i> , 2020, 251, 3.	7.7	68
62	A PAN-STARRS + UKIDSS SEARCH FOR YOUNG, WIDE PLANETARY-MASS COMPANIONS IN UPPER SCORPIUS. <i>Astrophysical Journal</i> , 2013, 773, 63.	4.5	67
63	Pan-STARRS Pixel Analysis: Source Detection and Characterization. <i>Astrophysical Journal, Supplement Series</i> , 2020, 251, 5.	7.7	65
64	The superluminous supernova PS1-11ap: bridging the gap between low and high redshift. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 437, 656-674.	4.4	64
65	THE COMPLEX STRUCTURE OF STARS IN THE OUTER GALACTIC DISK AS REVEALED BY PAN-STARRS1. <i>Astrophysical Journal</i> , 2014, 791, 9.	4.5	63
66	ULTRALUMINOUS SUPERNOVAE AS A NEW PROBE OF THE INTERSTELLAR MEDIUM IN DISTANT GALAXIES. <i>Astrophysical Journal Letters</i> , 2012, 755, L29.	8.3	57
67	A SEARCH FOR L/T TRANSITION DWARFS WITH PAN-STARRS1 AND <i>WISE</i> . II. L/T TRANSITION ATMOSPHERES AND YOUNG DISCOVERIES. <i>Astrophysical Journal</i> , 2015, 814, 118.	4.5	57
68	PS1-10afx AT $\langle i \rangle_z \langle i \rangle = 1.388$: PAN-STARRS1 DISCOVERY OF A NEW TYPE OF SUPERLUMINOUS SUPERNOVA. <i>Astrophysical Journal</i> , 2013, 767, 162.	4.5	56
69	FINDING, CHARACTERIZING, AND CLASSIFYING VARIABLE SOURCES IN MULTI-EPOCH SKY SURVEYS: QSOs AND RR LYRAE IN PS1 3 μ DATA. <i>Astrophysical Journal</i> , 2016, 817, 73.	4.5	53
70	A population of highly energetic transient events in the centres of active galaxies. <i>Nature Astronomy</i> , 2017, 1, 865-871.	10.1	53
71	DISPLAYING THE HETEROGENEITY OF THE SN 2002cx-LIKE SUBCLASS OF TYPE Ia SUPERNOVAE WITH OBSERVATIONS OF THE Pan-STARRS-1 DISCOVERED SN 2009ku. <i>Astrophysical Journal Letters</i> , 2011, 731, L11.	8.3	52
72	SUPERNOVA 2009kf: AN ULTRAVIOLET BRIGHT TYPE IIP SUPERNOVA DISCOVERED WITH PAN-STARRS 1 AND <i>GALEX</i> . <i>Astrophysical Journal Letters</i> , 2010, 717, L52-L56.	8.3	51

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73	Machine learning for transient discovery in Pan-STARRS1 difference imaging. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 451-466.	4.4	51
74	LHS 2803B: A VERY WIDE MID-T DWARF COMPANION TO AN OLD M DWARF IDENTIFIED FROM PAN-STARRS1. <i>Astrophysical Journal</i> , 2012, 757, 100.	4.5	50
75	Detection of Time Lags between Quasar Continuum Emission Bands Based On Pan-STARRS Light Curves. <i>Astrophysical Journal</i> , 2017, 836, 186.	4.5	50
76	FIRST RESULTS FROM Pan-STARRS1: FAINT, HIGH PROPER MOTION WHITE DWARFS IN THE MEDIUM-DEEP FIELDS. <i>Astrophysical Journal</i> , 2012, 745, 42.	4.5	49
77	THE TIME DOMAIN SPECTROSCOPIC SURVEY: VARIABLE SELECTION AND ANTICIPATED RESULTS. <i>Astrophysical Journal</i> , 2015, 806, 244.	4.5	49
78	THE <i>GALEX</i> TIME DOMAIN SURVEY. I. SELECTION AND CLASSIFICATION OF OVER A THOUSAND ULTRAVIOLET VARIABLE SOURCES. <i>Astrophysical Journal</i> , 2013, 766, 60.	4.5	48
79	The Geometry of the Sagittarius Stream from Pan-STARRS1 3 σ RR Lyrae. <i>Astrophysical Journal</i> , 2017, 850, 96.	4.5	48
80	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
81	THE FIRST HIGH-REDSHIFT QUASAR FROM Pan-STARRS. <i>Astronomical Journal</i> , 2012, 143, 142.	4.7	46
82	<i>GALEX</i> DETECTION OF SHOCK BREAKOUT IN TYPE IIP SUPERNOVA PS1-13arp: IMPLICATIONS FOR THE PROGENITOR STAR WIND. <i>Astrophysical Journal</i> , 2015, 804, 28.	4.5	46
83	MEASURING QUASAR VARIABILITY WITH Pan-STARRS1 AND SDSS. <i>Astrophysical Journal</i> , 2014, 784, 92.	4.5	45
84	HIP 38939B: A NEW BENCHMARK T DWARF IN THE GALACTIC PLANE DISCOVERED WITH Pan-STARRS1. <i>Astrophysical Journal</i> , 2012, 755, 94.	4.5	44
85	THE STRUCTURE AND STELLAR CONTENT OF THE OUTER DISKS OF GALAXIES: A NEW VIEW FROM THE Pan-STARRS1 MEDIUM DEEP SURVEY. <i>Astrophysical Journal</i> , 2015, 800, 120.	4.5	43
86	SN 2010ay IS A LUMINOUS AND BROAD-LINED TYPE Ic SUPERNOVA WITHIN A LOW-METALLICITY HOST GALAXY. <i>Astrophysical Journal</i> , 2012, 756, 184.	4.5	42
87	PERSEUS I: A DISTANT SATELLITE DWARF GALAXY OF ANDROMEDA. <i>Astrophysical Journal Letters</i> , 2013, 779, L10.	8.3	42
88	A SEARCH FOR HIGH PROPER MOTION T DWARFS WITH Pan-STARRS1 + 2MASS + <i>WISE</i> . <i>Astrophysical Journal Letters</i> , 2011, 740, L32.	8.3	40
89	<i>GALEX</i> AND PAN-STARRS1 DISCOVERY OF SN IIP 2010aq: THE FIRST FEW DAYS AFTER SHOCK BREAKOUT IN A RED SUPERGIANT STAR. <i>Astrophysical Journal Letters</i> , 2010, 720, L77-L81.	8.3	39
90	BROWN DWARFS IN YOUNG MOVING GROUPS FROM PAN-STARRS1. I. AB DORADUS. <i>Astrophysical Journal</i> , 2016, 821, 120.	4.5	37

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91	Searching for Highly Magnified Stars at Cosmological Distances: Discovery of a Redshift 0.94 Blue Supergiant in Archival Images of the Galaxy Cluster MACS J0416.1-2403. <i>Astrophysical Journal</i> , 2019, 881, 8.	4.5	37
92	MAPPING THE MONOCEROS RING IN 3D WITH PAN-STARRS1. <i>Astrophysical Journal</i> , 2016, 825, 140.	4.5	37
93	A Pan-STARRS1 VIEW OF THE BIFURCATED SAGITTARIUS STREAM. <i>Astrophysical Journal</i> , 2013, 762, 6.	4.5	36
94	SPECTROSCOPY OF THE THREE DISTANT ANDROMEDAN SATELLITES CASSIOPEIA III, LACERTA I, AND PERSEUS I. <i>Astrophysical Journal Letters</i> , 2014, 793, L14.	8.3	36
95	A Pan-STARRS1 study of the relationship between wide binarity and planet occurrence in the <i>Kepler</i> field. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 4212-4230.	4.4	35
96	Optical design of the Pan-STARRS telescopes. , 2004, , .		34
97	PAndromedaâ€™FIRST RESULTS FROM THE HIGH-CADENCE MONITORING OF M31 WITH Pan-STARRS 1. <i>Astronomical Journal</i> , 2012, 143, 89.	4.7	34
98	The Pan-STARRS1 Proper-motion Survey for Young Brown Dwarfs in Nearby Star-forming Regions. I. Taurus Discoveries and a Reddening-free Classification Method for Ultracool Dwarfs. <i>Astrophysical Journal</i> , 2018, 858, 41.	4.5	34
99	The Profile of the Galactic Halo from Pan-STARRS1 3Ï€ RR Lyrae. <i>Astrophysical Journal</i> , 2018, 859, 31.	4.5	33
100	FOUR NEW T DWARFS IDENTIFIED IN Pan-STARRS 1 COMMISSIONING DATA. <i>Astronomical Journal</i> , 2011, 142, 77.	4.7	32
101	The Pan-STARRS1 Small Area Survey 2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 435, 1825-1839.	4.4	32
102	THREE-DIMENSIONAL DUST MAPPING REVEALS THAT ORION FORMS PART OF A LARGE RING OF DUST. <i>Astrophysical Journal</i> , 2015, 799, 116.	4.5	32
103	THE PHOTOMETRIC CLASSIFICATION SERVER FOR Pan-STARRS1. <i>Astrophysical Journal</i> , 2012, 746, 128.	4.5	31
104	Pan-Planets: Searching for hot Jupiters around cool dwarfs. <i>Astronomy and Astrophysics</i> , 2016, 587, A49.	5.1	29
105	A Search for L/T Transition Dwarfs with Pan-STARRS1 and WISE. III. Young L Dwarf Discoveries and Proper Motion Catalogs in Taurus and Scorpiusâ€™Centaurus. <i>Astrophysical Journal</i> , 2017, 837, 95.	4.5	27
106	A SEARCH FOR L/T TRANSITION DWARFS WITH Pan-STARRS1 AND <i>WISE</i> : DISCOVERY OF SEVEN NEARBY OBJECTS INCLUDING TWO CANDIDATE SPECTROSCOPIC VARIABLES. <i>Astrophysical Journal</i> , 2013, 777, 84.	4.5	26
107	Galactic globular and open cluster fiducial sequences in the Pan-STARRS1 photometric system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 442, 2999-3009.	4.4	26
108	THE NATURE AND ORBIT OF THE OPHIUCHUS STREAM. <i>Astrophysical Journal</i> , 2015, 809, 59.	4.5	26

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109	CHARACTERIZATION OF THE PRAESEPE STAR CLUSTER BY PHOTOMETRY AND PROPER MOTIONS WITH 2MASS, PPMXL, AND Pan-STARRS. <i>Astrophysical Journal</i> , 2014, 784, 57.	4.5	22
110	PROPERTIES OF M31. II. A CEPHEID DISK SAMPLE DERIVED FROM THE FIRST YEAR OF PS1 PANDROMEDA DATA. <i>Astronomical Journal</i> , 2013, 145, 106.	4.7	21
111	A Quasar Discovered at redshift 6.6 from Pan-STARRS1. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , stw3287.	4.4	21
112	A Luminous Transient Event in a Sample of WISE-selected Variable AGNs. <i>Astrophysical Journal</i> , 2018, 866, 26.	4.5	21
113	THE HOST GALAXY PROPERTIES OF VARIABILITY SELECTED AGN IN THE PAN-STARRS1 MEDIUM DEEP SURVEY. <i>Astrophysical Journal</i> , 2016, 826, 62.	4.5	20
114	Gravitational redshift and asymmetric redshift-space distortions for stacked clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 1981-1993.	4.4	20
115	The Time-domain Spectroscopic Survey: Target Selection for Repeat Spectroscopy. <i>Astronomical Journal</i> , 2018, 155, 6.	4.7	20
116	THE TIME-DOMAIN SPECTROSCOPIC SURVEY: UNDERSTANDING THE OPTICALLY VARIABLE SKY WITH SEQUELS IN SDSS-III. <i>Astrophysical Journal</i> , 2016, 825, 137.	4.5	18
117	Brightness variation distributions among main belt asteroids from sparse light-curve sampling with Pan-STARRS 1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 2964-2972.	4.4	17
118	A Dwarf Planet Class Object in the 21:5 Resonance with Neptune. <i>Astrophysical Journal Letters</i> , 2018, 855, L6.	8.3	17
119	PROBABILITY FRIENDS-OF-FRIENDS (PFOF) GROUP FINDER: PERFORMANCE STUDY AND OBSERVATIONAL DATA APPLICATIONS ON PHOTOMETRIC SURVEYS. <i>Astrophysical Journal</i> , 2014, 788, 109.	4.5	16
120	The Pan-STARRS1 Medium-deep Survey: Star Formation Quenching in Group and Cluster Environments. <i>Astrophysical Journal</i> , 2017, 845, 74.	4.5	15
121	2MASS J0213+3648: A wide T3 benchmark companion to an active, old M dwarf binary. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , stx065.	4.4	15
122	Cepheids in M31: The PAndromeda Cepheid Sample. <i>Astronomical Journal</i> , 2018, 156, 130.	4.7	15
123	PROPERTIES OF M31. V. 298 ECLIPSING BINARIES FROM PAndromeda. <i>Astrophysical Journal</i> , 2014, 797, 22.	4.5	14
124	OF GENES AND MACHINES: APPLICATION OF A COMBINATION OF MACHINE LEARNING TOOLS TO ASTRONOMY DATA SETS. <i>Astrophysical Journal</i> , 2016, 821, 86.	4.5	13
125	The next decade of Solar System discovery with Pan-STARRS. <i>Proceedings of the International Astronomical Union</i> , 2006, 2, 341-352.	0.0	12
126	PROPERTIES OF M31. III. CANDIDATE BEAT CEPHEIDS FROM PS1 PANDROMEDA DATA AND THEIR IMPLICATION ON METALLICITY GRADIENT. <i>Astrophysical Journal</i> , 2013, 777, 35.	4.5	12

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127	THE PAN-STARRS 1 DISCOVERIES OF FIVE NEW NEPTUNE TROJANS. <i>Astronomical Journal</i> , 2016, 152, 147.	4.7	11
128	The white dwarf luminosity functions from the Pan-STARRS 1 3 σ Steradian Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 715-731.	4.4	11
129	M DWARF ACTIVITY IN THE PAN-STARRS1 MEDIUM-DEEP SURVEY: FIRST CATALOG AND ROTATION PERIODS. <i>Astrophysical Journal</i> , 2016, 833, 281.	4.5	10
130	PROPERTIES OF M31. IV. CANDIDATE LUMINOUS BLUE VARIABLES FROM PANDROMEDA. <i>Astrophysical Journal</i> , 2014, 785, 11.	4.5	9
131	SELECTION OF BURST-LIKE TRANSIENTS AND STOCHASTIC VARIABLES USING MULTI-BAND IMAGE DIFFERENCING IN THE PAN-STARRS1 MEDIUM-DEEP SURVEY. <i>Astrophysical Journal</i> , 2015, 802, 27.	4.5	9
132	Dust in three dimensions in the Galactic plane. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 3604-3615.	4.4	9
133	Spectral analysis of four $\hat{\epsilon}$ hypervariable $\hat{\epsilon}$ ™ AGN: a micro-needle in the haystack?. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , stx168.	4.4	9
134	AN OPTIMIZED METHOD TO IDENTIFY RR Lyrae STARS IN THE SDSS—Pan-STARRS1 OVERLAPPING AREA USING A BAYESIAN GENERATIVE TECHNIQUE. <i>Astronomical Journal</i> , 2014, 148, 8.	4.7	8
135	PS1-13cbe: the rapid transition of a Seyfert 2 to a Seyfert 1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 4057-4070.	4.4	7
136	Giga-Pixels and Sky Surveys. <i>Experimental Astronomy</i> , 2002, 14, 17-24.	3.7	3
137	A Color-locus Method for Mapping $R_{_V}$ Using Ensembles of Stars. <i>Astrophysical Journal</i> , 2018, 854, 79.	4.5	2
138	The discovery of eight $z \sim 6$ quasars from Pan-STARRS1. <i>Proceedings of the International Astronomical Union</i> , 2013, 9, 19-22.	0.0	1
139	Color Variabilities of Spectrally Defined Red QSOs at $z \hat{=} \hat{=} 0.3 \hat{=} 1.2$. <i>Astrophysical Journal</i> , 2018, 855, 66.	4.5	0
140	EARLY-TYPE HALO MASSES FROM GALAXY-GALAXY LENSING. , 2002, , .		0