John Tonry

List of Publications by Year in descending order

61 papers	28,147 citations	87888 38 h-index	123424 61 g-index
63 all docs	63 docs citations	63 times ranked	13969 citing authors

#	Article	IF	Citations
1	Observational Evidence from Supernovae for an Accelerating Universe and a Cosmological Constant. Astronomical Journal, 1998, 116, 1009-1038.	4.7	14,196
2	Type Ia Supernova Discoveries atz› 1 from theHubble Space Telescope: Evidence for Past Deceleration and Constraints on Dark Energy Evolution. Astrophysical Journal, 2004, 607, 665-687.	4.5	3,498
3	The Complete Light-curve Sample of Spectroscopically Confirmed SNe Ia from Pan-STARRS1 and Cosmological Constraints from the Combined Pantheon Sample. Astrophysical Journal, 2018, 859, 101.	4.5	1,694
4	NewHubble Space TelescopeDiscoveries of Type Ia Supernovae atzâ‰¥ 1: Narrowing Constraints on the Early Behavior of Dark Energy. Astrophysical Journal, 2007, 659, 98-121.	4.5	1,430
5	The Highâ€Z Supernova Search: Measuring Cosmic Deceleration and Global Curvature of the Universe Using Type Ia Supernovae. Astrophysical Journal, 1998, 507, 46-63.	4.5	1,194
6	The Farthest Known Supernova: Support for an Accelerating Universe and a Glimpse of the Epoch of Deceleration. Astrophysical Journal, 2001, 560, 49-71.	4.5	759
7	Supernova Limits on the Cosmic Equation of State. Astrophysical Journal, 1998, 509, 74-79.	4.5	660
8	A THREE-DIMENSIONAL MAP OF MILKY WAY DUST. Astrophysical Journal, 2015, 810, 25.	4.5	408
9	The Pan-STARRS1 Database and Data Products. Astrophysical Journal, Supplement Series, 2020, 251, 7.	7.7	348
10	The Pan-STARRS wide-field optical/NIR imaging survey. Proceedings of SPIE, 2010, , .	0.8	337
11	A redshift survey of IRAS galaxies. VII - The infrared and redshift data for the 1.936 Jansky sample. Astrophysical Journal, Supplement Series, 1992, 83, 29.	7.7	301
12	A new technique for measuring extragalactic distances. Astronomical Journal, 1988, 96, 807.	4.7	276
13	HYDROGEN-POOR SUPERLUMINOUS SUPERNOVAE AND LONG-DURATION GAMMA-RAY BURSTS HAVE SIMILAR HOST GALAXIES. Astrophysical Journal, 2014, 787, 138.	4.5	221
14	SAGITTARIUS II, DRACO II AND LAEVENS 3: THREE NEW MILKY WAY SATELLITES DISCOVERED IN THE PAN-STARRS 1 3Ï€SURVEY. Astrophysical Journal, 2015, 813, 44.	4.5	196
15	A First Catalog of Variable Stars Measured by the Asteroid Terrestrial-impact Last Alert System (ATLAS). Astronomical Journal, 2018, 156, 241.	4.7	195
16	Tests of the Accelerating Universe with Nearâ€Infrared Observations of a Highâ€Redshift Type Ia Supernova. Astrophysical Journal, 2000, 536, 62-67.	4.5	164
17	The Cow: Discovery of a Luminous, Hot, and Rapidly Evolving Transient. Astrophysical Journal Letters, 2018, 865, L3.	8.3	146
18	Pan-STARRS Photometric and Astrometric Calibration. Astrophysical Journal, Supplement Series, 2020, 251, 6.	7.7	138

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19	The ATLAS All-Sky Stellar Reference Catalog. Astrophysical Journal, 2018, 867, 105.	4.5	137
20	DISCOVERY OF EIGHTzâ¼ 6 QUASARS FROM Pan-STARRS1. Astronomical Journal, 2014, 148, 14.	4.7	126
21	Interstellar Interlopers: Number Density and Origin of â€˜Oumuamua-like Objects. Astrophysical Journal Letters, 2018, 855, L10.	8.3	121
22	Measuring Dark Energy Properties with Photometrically Classified Pan-STARRS Supernovae. II. Cosmological Parameters. Astrophysical Journal, 2018, 857, 51.	4.5	116
23	Machine-learned Identification of RR Lyrae Stars from Sparse, Multi-band Data: The PS1 Sample. Astronomical Journal, 2017, 153, 204.	4.7	112
24	A NEW DISTANT MILKY WAY GLOBULAR CLUSTER IN THE PAN-STARRS1 3Ï€ SURVEY. Astrophysical Journal Letters, 2014, 786, L3.	8.3	88
25	A MAP OF DUST REDDENING TO 4.5 kpc FROM Pan-STARRS1. Astrophysical Journal, 2014, 789, 15.	4.5	85
26	MEASURING DISTANCES AND REDDENINGS FOR A BILLION STARS: TOWARD A 3D DUST MAP FROM PAN-STARRS 1. Astrophysical Journal, 2014, 783, 114.	4.5	84
27	Pan-STARRS Pixel Processing: Detrending, Warping, Stacking. Astrophysical Journal, Supplement Series, 2020, 251, 4.	7.7	77
28	DISCOVERY OF A NEW RETROGRADE TRANS-NEPTUNIAN OBJECT: HINT OF A COMMON ORBITAL PLANE FOR LOW SEMIMAJOR AXIS, HIGH-INCLINATION TNOs AND CENTAURS. Astrophysical Journal Letters, 2016, 827, L24.	8.3	70
29	Detection of a supervoid aligned with the cold spot of the cosmic microwave background. Monthly Notices of the Royal Astronomical Society, 2015, 450, 288-294.	4.4	69
30	PS18kh: A New Tidal Disruption Event with a Non-axisymmetric Accretion Disk. Astrophysical Journal, 2019, 880, 120.	4.5	68
31	Identification of Type Ia Supernovae at Redshift 1.3 and Beyond with the Advanced Camera for Surveys on the Hubble Space Telescope. Astrophysical Journal, 2004, 600, L163-L166.	4.5	66
32	Supermassive Black Hole Binary Candidates from the Pan-STARRS1 Medium Deep Survey. Astrophysical Journal, 2019, 884, 36.	4.5	59
33	A SEARCH FOR L/T TRANSITION DWARFS WITH PAN-STARRS1 ANDWISE. II. L/T TRANSITION ATMOSPHERES AND YOUNG DISCOVERIES. Astrophysical Journal, 2015, 814, 118.	4.5	57
34	A SYSTEMATIC SEARCH FOR PERIODICALLY VARYING QUASARS IN PAN-STARRS1: AN EXTENDED BASELINE TEST IN MEDIUM DEEP SURVEY FIELD MD09. Astrophysical Journal, 2016, 833, 6.	4.5	56
35	Detection of Time Lags between Quasar Continuum Emission Bands Based On Pan-STARRS Light Curves. Astrophysical Journal, 2017, 836, 186.	4.5	50
36	Optical Spectra of Type I[CLC]a[/CLC] Supernovae at [CLC][ITAL]z[/ITAL][/CLC]â€‰=â€‰0.46 and [CLC][ITAL]z[/ITAL][/CLC]â€‰=â€‰1.2. Astrophysical Journal, 2000, 544, L111-L114.	4.5	49

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37	Constraints on the Progenitor of SN 2016gkg from Its Shock-cooling Light Curve. Astrophysical Journal Letters, 2017, 837, L2.	8.3	49
38	ASASSN-14ko is a Periodic Nuclear Transient in ESO 253-G003. Astrophysical Journal, 2021, 910, 125.	4.5	45
39	A SEARCH FOR AN OPTICAL COUNTERPART TO THE GRAVITATIONAL-WAVE EVENT GW151226. Astrophysical Journal Letters, 2016, 827, L40.	8.3	38
40	Observations of the GRB Afterglow ATLAS17aeu and Its Possible Association with GW 170104. Astrophysical Journal, 2017, 850, 149.	4.5	38
41	BROWN DWARFS IN YOUNG MOVING GROUPS FROM PAN-STARRS1. I. AB DORADUS. Astrophysical Journal, 2016, 821, 120.	4.5	37
42	The Profile of the Galactic Halo from Pan-STARRS1 3Ï€ RR Lyrae. Astrophysical Journal, 2018, 859, 31.	4.5	33
43	The Sporadic Activity of (6478) Gault: A YORP-driven Event?. Astrophysical Journal Letters, 2019, 874, L20.	8.3	33
44	SN 2017dio: A Type-Ic Supernova Exploding in a Hydrogen-rich Circumstellar Medium^{âˆ—}. Astrophysical Journal Letters, 2018, 854, L14.	8.3	28
45	Discovery of a Methane Dwarf from the I[CLC]f[/CLC]A Deep Survey. Astrophysical Journal, 2002, 568, L107-L111.	4.5	21
46	Discovery of Strong Lensing by an Elliptical Galaxy at z = 0.0345. Astrophysical Journal, 2005, 625, L103-L106.	4.5	20
47	LIGHT CURVES OF 213 TYPE Ia SUPERNOVAE FROM THE ESSENCE SURVEY. Astrophysical Journal, Supplement Series, 2016, 224, 3.	7.7	20
48	The New EXor Outburst of ESO-HÎ± 99 Observed by Gaia ATLAS and TESS. Astronomical Journal, 2019, 158, 241.	4.7	17
49	Cepheids in M31: The PAndromeda Cepheid Sample. Astronomical Journal, 2018, 156, 130.	4.7	15
50	Investigating Taxonomic Diversity within Asteroid Families through ATLAS Dual-band Photometry. Astrophysical Journal, Supplement Series, 2020, 247, 13.	7.7	15
51	The Outburst of the Young Star Gaia19bey. Astronomical Journal, 2020, 160, 164.	4.7	14
52	Beyond Gaia: Asteroseismic Distances of M Giants Using Ground-based Transient Surveys. Astronomical Journal, 2020, 160, 18.	4.7	13
53	THE PAN-STARRS 1 DISCOVERIES OF FIVE NEW NEPTUNE TROJANS. Astronomical Journal, 2016, 152, 147.	4.7	11
54	A GLOBAL ASTROMETRIC SOLUTION FOR PAN-STARRS REFERENCED TO ICRF2. Astronomical Journal, 2016, 152, 53.	4.7	10

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55	Discovery of superslow rotating asteroids with ATLAS and ZTF photometry. Monthly Notices of the Royal Astronomical Society, 2021, 506, 3872-3881.	4.4	9
56	NEO Population, Velocity Bias, and Impact Risk from an ATLAS Analysis. Planetary Science Journal, 2021, 2, 12.	3.6	7
57	The Orthogonal Transfer CCD. Experimental Astronomy, 1998, 8, 77-87.	3.7	6
58	Comparison of the Physical Properties of the L4 and L5 Trojan Asteroids from ATLAS Data. Planetary Science Journal, 2021, 2, 6.	3.6	6
59	Foreground and Sensitivity Analysis for Broadband (2D) 21 cmâ€“Lyî± and 21 cmâ€“Hî± Correlation Experiments Probing the Epoch of Reionization. Astrophysical Journal, 2017, 849, 50.	4.5	4
60	Apophis Planetary Defense Campaign. Planetary Science Journal, 2022, 3, 123.	3.6	4
61	New or Increased Cometary Activity in (2060) 95P/Chiron. Research Notes of the AAS, 2021, 5, 211.	0.7	3