

Christopher W Stubbs

List of Publications by Year in descending order

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233
papers

49,816
citations

5558

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207
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235
all docs

235
docs citations

235
times ranked

18079
citing authors

#	ARTICLE	IF	CITATIONS
1	Observational Evidence from Supernovae for an Accelerating Universe and a Cosmological Constant. <i>Astronomical Journal</i> , 1998, 116, 1009-1038.	1.9	14,196
2	The Sloan Digital Sky Survey: Technical Summary. <i>Astronomical Journal</i> , 2000, 120, 1579-1587.	1.9	8,099
3	Sloan Digital Sky Survey: Early Data Release. <i>Astronomical Journal</i> , 2002, 123, 485-548.	1.9	2,003
4	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.	1.6	1,694
5	Composite Quasar Spectra from the Sloan Digital Sky Survey. <i>Astronomical Journal</i> , 2001, 122, 549-564.	1.9	1,494
6	Cosmological Results from High- z Supernovae. <i>Astrophysical Journal</i> , 2003, 594, 1-24.	1.6	1,472
7	The High- z Supernova Search: Measuring Cosmic Deceleration and Global Curvature of the Universe Using Type Ia Supernovae. <i>Astrophysical Journal</i> , 1998, 507, 46-63.	1.6	1,194
8	The MACHO Project: Microlensing Results from 5.7 Years of Large Magellanic Cloud Observations. <i>Astrophysical Journal</i> , 2000, 542, 281-307.	1.6	752
9	Observational Constraints on the Nature of Dark Energy: First Cosmological Results from the ESSENCE Supernova Survey. <i>Astrophysical Journal</i> , 2007, 666, 694-715.	1.6	742
10	THE Pan-STARRS1 PHOTOMETRIC SYSTEM. <i>Astrophysical Journal</i> , 2012, 750, 99.	1.6	729
11	Supernova Limits on the Cosmic Equation of State. <i>Astrophysical Journal</i> , 1998, 509, 74-79.	1.6	660
12	Possible gravitational microlensing of a star in the Large Magellanic Cloud. <i>Nature</i> , 1993, 365, 621-623.	13.7	657
13	The Luminosity Function of Galaxies in SDSS Commissioning Data. <i>Astronomical Journal</i> , 2001, 121, 2358-2380.	1.9	545
14	Scrutinizing Exotic Cosmological Models Using ESSENCE Supernova Data Combined with Other Cosmological Probes. <i>Astrophysical Journal</i> , 2007, 666, 716-725.	1.6	497
15	GALAXY CLUSTERS DISCOVERED VIA THE SUNYAEV-ZEL'DOVICH EFFECT IN THE 2500-SQUARE-DEGREE SPT-SZ SURVEY. <i>Astrophysical Journal, Supplement Series</i> , 2015, 216, 27.	3.0	464
16	The MACHO Project Large Magellanic Cloud Microlensing Results from the First Two Years and the Nature of the Galactic Dark Halo. <i>Astrophysical Journal</i> , 1997, 486, 697-726.	1.6	440
17	CfA3: 185 TYPE Ia SUPERNOVA LIGHT CURVES FROM THE CfA. <i>Astrophysical Journal</i> , 2009, 700, 331-357.	1.6	388
18	Twenty-three High- z Redshift Supernovae from the Institute for Astronomy Deep Survey: Doubling the Supernova Sample at $z > 0.7$. <i>Astrophysical Journal</i> , 2004, 602, 571-594.	1.6	387

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19	PHOTOMETRIC CALIBRATION OF THE FIRST 1.5 YEARS OF THE PAN-STARRS1 SURVEY. <i>Astrophysical Journal</i> , 2012, 756, 158.	1.6	311
20	The ESSENCE Supernova Survey: Survey Optimization, Observations, and Supernova Photometry. <i>Astrophysical Journal</i> , 2007, 666, 674-693.	1.6	289
21	GALAXY CLUSTERS SELECTED WITH THE SUNYAEV-ZEL'DOVICH EFFECT FROM 2008 SOUTH POLE TELESCOPE OBSERVATIONS. <i>Astrophysical Journal</i> , 2010, 722, 1180-1196.	1.6	285
22	THE PAN-STARRS 1 PHOTOMETRIC REFERENCE LADDER, RELEASE 12.01. <i>Astrophysical Journal, Supplement Series</i> , 2013, 205, 20.	3.0	270
23	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.	1.6	262
24	Optical Photometry of the Type Ia Supernova 1999aa and the Type Ib/c Supernova 1999ex in IC 5179. <i>Astronomical Journal</i> , 2002, 124, 2100-2117.	1.9	258
25	GALAXY CLUSTERS DISCOVERED VIA THE SUNYAEV-ZEL'DOVICH EFFECT IN THE FIRST 720 SQUARE DEGREES OF THE SOUTH POLE TELESCOPE SURVEY. <i>Astrophysical Journal</i> , 2013, 763, 127.	1.6	240
26	Slowly fading super-luminous supernovae that are not pair-instability explosions. <i>Nature</i> , 2013, 502, 346-349.	13.7	226
27	ULTRA-BRIGHT OPTICAL TRANSIENTS ARE LINKED WITH TYPE Ic SUPERNOVAE. <i>Astrophysical Journal Letters</i> , 2010, 724, L16-L21.	3.0	217
28	A SUNYAEV-ZEL'DOVICH-SELECTED SAMPLE OF THE MOST MASSIVE GALAXY CLUSTERS IN THE 2500 deg ² SOUTH POLE TELESCOPE SURVEY. <i>Astrophysical Journal</i> , 2011, 738, 139.	1.6	213
29	Weathering by segregation ice growth in microcracks at sustained subzero temperatures: Verification from an experimental study using acoustic emissions. <i>Permafrost and Periglacial Processes</i> , 1991, 2, 283-300.	1.5	212
30	Cluster Cosmology Constraints from the 2500 deg ² SPT-SZ Survey: Inclusion of Weak Gravitational Lensing Data from Magellan and the Hubble Space Telescope. <i>Astrophysical Journal</i> , 2019, 878, 55.	1.6	211
31	Candidate RR Lyrae Stars Found in Sloan Digital Sky Survey Commissioning Data. <i>Astronomical Journal</i> , 2000, 120, 963-977.	1.9	208
32	COSMOLOGICAL CONSTRAINTS FROM SUNYAEV-ZEL'DOVICH-SELECTED CLUSTERS WITH X-RAY OBSERVATIONS IN THE FIRST 178 deg ² OF THE SOUTH POLE TELESCOPE SURVEY. <i>Astrophysical Journal</i> , 2013, 763, 147.	1.6	206
33	Colors of 2625 Quasars at $z \leq 5$ Measured in the Sloan Digital Sky Survey Photometric System. <i>Astronomical Journal</i> , 2001, 121, 2308-2330.	1.9	190
34	COSMOLOGICAL CONSTRAINTS FROM GALAXY CLUSTERS IN THE 2500 SQUARE-DEGREE SPT-SZ SURVEY. <i>Astrophysical Journal</i> , 2016, 832, 95.	1.6	179
35	The MACHO Project: 45 Candidate Microlensing Events from the First Year Galactic Bulge Data. <i>Astrophysical Journal</i> , 1997, 479, 119-146.	1.6	174
36	Hubble Space Telescope and Ground-based Observations of Type Ia Supernovae at Redshift 0.5: Cosmological Implications. <i>Astrophysical Journal</i> , 2006, 642, 1-21.	1.6	170

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37	Pan-STARRS1 DISCOVERY OF TWO ULTRALUMINOUS SUPERNOVAE AT $z < 0.9$. <i>Astrophysical Journal</i> , 2011, 743, 114.	1.6	168
38	Equivalence principle implications of modified gravity models. <i>Physical Review D</i> , 2009, 80, .	1.6	165
39	Tests of the Accelerating Universe with Near-Infrared Observations of a High-Redshift Type Ia Supernova. <i>Astrophysical Journal</i> , 2000, 536, 62-67.	1.6	164
40	Testing LMC Microlensing Scenarios: The Discrimination Power of the SuperMACHO Microlensing Survey. <i>Astrophysical Journal</i> , 2005, 634, 1103-1115.	1.6	160
41	A massive, cooling-flow-induced starburst in the core of a luminous cluster of galaxies. <i>Nature</i> , 2012, 488, 349-352.	13.7	154
42	The MACHO Project: Microlensing Optical Depth toward the Galactic Bulge from Difference Image Analysis. <i>Astrophysical Journal</i> , 2000, 541, 734-766.	1.6	153
43	EROS and MACHO Combined Limits on Planetary-Mass Dark Matter in the Galactic Halo. <i>Astrophysical Journal</i> , 1998, 499, L9-L12.	1.6	143
44	Pan-STARRS Photometric and Astrometric Calibration. <i>Astrophysical Journal</i> , Supplement Series, 2020, 251, 6.	3.0	138
45	X-RAY PROPERTIES OF THE FIRST SUNYAEV-ZEL'DOVICH EFFECT SELECTED GALAXY CLUSTER SAMPLE FROM THE SOUTH POLE TELESCOPE. <i>Astrophysical Journal</i> , 2011, 738, 48.	1.6	137
46	SYSTEMATIC UNCERTAINTIES ASSOCIATED WITH THE COSMOLOGICAL ANALYSIS OF THE FIRST PAN-STARRS1 TYPE Ia SUPERNOVA SAMPLE. <i>Astrophysical Journal</i> , 2014, 795, 45.	1.6	131
47	MACHO Alert 95: First Real-Time Observation of Extended Source Effects in Gravitational Microlensing. <i>Astrophysical Journal</i> , 1997, 491, 436-450.	1.6	131
48	Light echoes from ancient supernovae in the Large Magellanic Cloud. <i>Nature</i> , 2005, 438, 1132-1134.	13.7	128
49	Calibration of the MACHO Photometry Database. <i>Publications of the Astronomical Society of the Pacific</i> , 1999, 111, 1539-1558.	1.0	126
50	Testing for Lorentz Violation: Constraints on Standard-Model-Extension Parameters via Lunar Laser Ranging. <i>Physical Review Letters</i> , 2007, 99, 241103.	2.9	126
51	DISCOVERY OF EIGHT $z < 1/4 6$ QUASARS FROM Pan-STARRS1. <i>Astronomical Journal</i> , 2014, 148, 14.	1.9	126
52	Experimental Limits on the Dark Matter Halo of the Galaxy from Gravitational Microlensing. <i>Physical Review Letters</i> , 1995, 74, 2867-2871.	2.9	125
53	Uniformity of (Near-Infrared) Color Evolution of Type Ia Supernovae and Implications for Host Galaxy Extinction Determination. <i>Astrophysical Journal</i> , 2000, 539, 658-674.	1.6	116
54	Microlensing Optical Depth toward the Galactic Bulge Using Clump Giants from the MACHO Survey. <i>Astrophysical Journal</i> , 2005, 631, 879-905.	1.6	114

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55	Search for an intermediate-range interaction. <i>Physical Review Letters</i> , 1987, 58, 1070-1073.	2.9	110
56	Direct detection of a microlens in the Milky Way. <i>Nature</i> , 2001, 414, 617-619.	13.7	110
57	Gravitational Microlensing Events Due to Stellarâ€Mass Black Holes. <i>Astrophysical Journal</i> , 2002, 579, 639-659.	1.6	108
58	Testing the equivalence principle in the field of the Earth: Particle physics at masses below $1 \hat{1}4eV?$. <i>Physical Review D</i> , 1990, 42, 3267-3292.	1.6	107
59	SN 1997cy/GRB 970514: A New Piece in the Gammaâ€Ray Burst Puzzle?. <i>Astrophysical Journal</i> , 2000, 533, 320-328.	1.6	106
60	PRECISE THROUGHPUT DETERMINATION OF THE PanSTARRS TELESCOPE AND THE GIGAPIXEL IMAGER USING A CALIBRATED SILICON PHOTODIODE AND A TUNABLE LASER: INITIAL RESULTS. <i>Astrophysical Journal, Supplement Series</i> , 2010, 191, 376-388.	3.0	105
61	DISCOVERY AND COSMOLOGICAL IMPLICATIONS OF SPT-CL J2106-5844, THE MOST MASSIVE KNOWN CLUSTER AT $z>1$. <i>Astrophysical Journal</i> , 2011, 731, 86.	1.6	104
62	OPTICAL SPECTROSCOPY AND VELOCITY DISPERSIONS OF GALAXY CLUSTERS FROM THE SPT-SZ SURVEY. <i>Astrophysical Journal</i> , 2014, 792, 45.	1.6	103
63	STELLAR LOCUS REGRESSION: ACCURATE COLOR CALIBRATION AND THE REAL-TIME DETERMINATION OF GALAXY CLUSTER PHOTOMETRIC REDSHIFTS. <i>Astronomical Journal</i> , 2009, 138, 110-129.	1.9	100
64	Combined Analysis of the Binary Lens Causticâ€crossing Event MACHO 98â€SMCâ€1. <i>Astrophysical Journal</i> , 2000, 532, 340-352.	1.6	99
65	Spectral Identification of an Ancient Supernova Using Light Echoes in the Large Magellanic Cloud. <i>Astrophysical Journal</i> , 2008, 680, 1137-1148.	1.6	99
66	Measurement of ionization and phonon production by nuclear recoils in a 60 g crystal of germanium at 25 mK. <i>Physical Review Letters</i> , 1992, 69, 3425-3427.	2.9	98
67	SPT-CL J0546-5345: A MASSIVE $z>1$ GALAXY CLUSTER SELECTED VIA THE SUNYAEV-ZEL'DOVICH EFFECT WITH THE SOUTH POLE TELESCOPE. <i>Astrophysical Journal</i> , 2010, 721, 90-97.	1.6	94
68	The MACHO Project Large Magellanic Cloud Variableâ€Star Inventory. IX. Frequency Analysis of the Firstâ€Overtone RR Lyrae Stars and the Indication for Nonradial Pulsations. <i>Astrophysical Journal</i> , 2000, 542, 257-280.	1.6	93
69	The MACHO Project Large Magellanic Cloud Variable Star Inventory. XI. Frequency Analysis of the Fundamentalâ€Mode RR Lyrae Stars. <i>Astrophysical Journal</i> , 2003, 598, 597-609.	1.6	92
70	Binary Microlensing Events from the MACHO Project. <i>Astrophysical Journal</i> , 2000, 541, 270-297.	1.6	91
71	HYPERCALIBRATION: A PAN-STARRS1-BASED RECALIBRATION OF THE SLOAN DIGITAL SKY SURVEY PHOTOMETRY. <i>Astrophysical Journal</i> , 2016, 822, 66.	1.6	91
72	THE REDSHIFT EVOLUTION OF THE MEAN TEMPERATURE, PRESSURE, AND ENTROPY PROFILES IN 80 SPT-SELECTED GALAXY CLUSTERS. <i>Astrophysical Journal</i> , 2014, 794, 67.	1.6	90

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73	REDSHIFTS, SAMPLE PURITY, AND BCG POSITIONS FOR THE GALAXY CLUSTER CATALOG FROM THE FIRST 720 SQUARE DEGREES OF THE SOUTH POLE TELESCOPE SURVEY. <i>Astrophysical Journal</i> , 2012, 761, 22.	1.6	89
74	New constraints on composition-dependent interactions weaker than gravity. <i>Physical Review Letters</i> , 1987, 59, 849-852.	2.9	87
75	Optical and Infrared Photometry of the Type I[CLC]a[/CLC] Supernovae 1999[CLC]da[/CLC], 1999[CLC]dk[/CLC], 1999[CLC]gp[/CLC], 2000[CLC]bk[/CLC], and 2000[CLC]ce[/CLC]. <i>Astronomical Journal</i> , 2001, 122, 1616-1631.	1.9	87
76	Using Line Profiles to Test the Fraternity of Type Ia Supernovae at High and Low Redshifts. <i>Astronomical Journal</i> , 2006, 131, 1648-1666.	1.9	87
77	Evidence for Distinct Components of the Galactic Stellar Halo from 838 RR Lyrae Stars Discovered in the LONEOS Survey. <i>Astrophysical Journal</i> , 2008, 678, 865-887.	1.6	87
78	Gravitational microlensing as a method of detecting disk dark matter and faint disk stars. <i>Astrophysical Journal</i> , 1991, 372, L79.	1.6	86
79	Deep lens survey. , 2002, 4836, 73.		85
80	The Apache Point Observatory Lunar Laser-ranging Operation: Instrument Description and First Detections. <i>Publications of the Astronomical Society of the Pacific</i> , 2008, 120, 20-37.	1.0	85
81	A MAP OF DUST REDDENING TO 4.5 kpc FROM Pan-STARRS1. <i>Astrophysical Journal</i> , 2014, 789, 15.	1.6	85
82	The MACHO Project 9 Million Star Color-Magnitude Diagram of the Large Magellanic Cloud. <i>Astronomical Journal</i> , 2000, 119, 2194-2213.	1.9	83
83	Variability-selected Quasars in MACHO Project Magellanic Cloud Fields. <i>Astronomical Journal</i> , 2003, 125, 1-12.	1.9	82
84	The MACHO Project LMC Variable Star Inventory.II.LMC RR Lyrae Stars- Pulsational Characteristics and Indications of a Global Youth of the LMC. <i>Astronomical Journal</i> , 1996, 111, 1146.	1.9	82
85	The MACHO Project LMC Variable Star Inventory. VII. The Discovery of RV Tauri Stars and New Type II Cepheids in the Large Magellanic Cloud. <i>Astronomical Journal</i> , 1998, 115, 1921-1933.	1.9	79
86	PS1-10bjz: A FAST, HYDROGEN-POOR SUPERLUMINOUS SUPERNOVA IN A METAL-POOR HOST GALAXY. <i>Astrophysical Journal</i> , 2013, 771, 97.	1.6	79
87	Toward 1% Photometry: End-to-End Calibration of Astronomical Telescopes and Detectors. <i>Astrophysical Journal</i> , 2006, 646, 1436-1444.	1.6	74
88	PUSHING THE BOUNDARIES OF CONVENTIONAL CORE-COLLAPSE SUPERNOVAE: THE EXTREMELY ENERGETIC SUPERNOVA SN 2003ma. <i>Astrophysical Journal</i> , 2011, 729, 88.	1.6	70
89	Laser ranging to the lost Lunokhod 1 reflector. <i>Icarus</i> , 2011, 211, 1103-1108.	1.1	69
90	The MACHO Project LMC Variable Star Inventory.V.Classification and Orbits of 611 Eclipsing Binary Stars. <i>Astronomical Journal</i> , 1997, 114, 326.	1.9	69

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91	The MACHO Project LMC Variable Star Inventory. X. The R Coronae Borealis Stars. <i>Astrophysical Journal</i> , 2001, 554, 298-315.	1.6	69
92	Long-term degradation of optical devices on the Moon. <i>Icarus</i> , 2010, 208, 31-35.	1.1	68
93	The Pan-STARRS Data-processing System. <i>Astrophysical Journal</i> , Supplement Series, 2020, 251, 3.	3.0	68
94	Pan-STARRS Pixel Analysis: Source Detection and Characterization. <i>Astrophysical Journal</i> , Supplement Series, 2020, 251, 5.	3.0	65
95	Photometry of the Type Ia Supernovae 1999cc, 1999cl, and 2000cf. <i>Astronomical Journal</i> , 2006, 131, 1639-1647.	1.9	64
96	APOLLO: millimeter lunar laser ranging. <i>Classical and Quantum Gravity</i> , 2012, 29, 184005.	1.5	64
97	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.	1.6	64
98	Spectral discrimination in color blind animals via chromatic aberration and pupil shape. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 8206-8211.	3.3	63
99	Simultaneous high resolution measurement of phonons and ionization created by particle interactions in a 60 g germanium crystal at 25 mK. <i>Physical Review Letters</i> , 1992, 69, 3531-3534.	2.9	62
100	The MACHO Project: Limits on Planetary Mass Dark Matter in the Galactic Halo from Gravitational Microlensing. <i>Astrophysical Journal</i> , 1996, 471, 774-782.	1.6	59
101	OPTICAL REDSHIFT AND RICHNESS ESTIMATES FOR GALAXY CLUSTERS SELECTED WITH THE SUNYAEV-Zel'dovich EFFECT FROM 2008 SOUTH POLE TELESCOPE OBSERVATIONS. <i>Astrophysical Journal</i> , 2010, 723, 1736-1747.	1.6	59
102	Spectroscopy of High-Redshift Supernovae from the ESSENCE Project: The First 2 Years. <i>Astronomical Journal</i> , 2005, 129, 2352-2375.	1.9	58
103	Constraining Cosmic Evolution of Type Ia Supernovae. <i>Astrophysical Journal</i> , 2008, 684, 68-87.	1.6	58
104	First Detection of a Gravitational Microlensing Candidate toward the Small Magellanic Cloud. <i>Astrophysical Journal</i> , 1997, 491, L11-L13.	1.6	58
105	The MACHO Project: Microlensing Detection Efficiency. <i>Astrophysical Journal</i> , Supplement Series, 2001, 136, 439-462.	3.0	57
106	PS1-10afx AT $z = 1.388$: PAN-STARRS1 DISCOVERY OF A NEW TYPE OF SUPERLUMINOUS SUPERNOVA. <i>Astrophysical Journal</i> , 2013, 767, 162.	1.6	56
107	The RR Lyrae Population of the Galactic Bulge from the MACHO Database: Mean Colors and Magnitudes. <i>Astrophysical Journal</i> , 1998, 492, 190-199.	1.6	55
108	Time Dilation in Type Ia Supernova Spectra at High Redshift. <i>Astrophysical Journal</i> , 2008, 682, 724-736.	1.6	55

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109	SPT-CL J0205â€“5829: A $z = 1.32$ EVOLVED MASSIVE GALAXY CLUSTER IN THE SOUTH POLE TELESCOPE SUNYAEV-ZEL'DOVICH EFFECT SURVEY. <i>Astrophysical Journal</i> , 2013, 763, 93.	1.6	54
110	Experimental bounds on interactions mediated by ultralow-mass bosons. <i>Physical Review Letters</i> , 1989, 63, 2705-2708.	2.9	52
111	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.	3.0	52
112	The First Hour of Extragalactic Data of the Sloan Digital Sky Survey Spectroscopic Commissioning: The Coma Cluster. <i>Astronomical Journal</i> , 2001, 121, 2331-2357.	1.9	51
113	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.	3.0	51
114	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. <i>Astrophysical Journal</i> , 2000, 544, L111-L114.	1.6	49
115	Toward More Precise Survey Photometry for PanSTARRS and LSST: Measuring Directly the Optical Transmission Spectrum of the Atmosphere. <i>Publications of the Astronomical Society of the Pacific</i> , 2007, 119, 1163-1178.	1.0	49
116	Limits on Composition-Dependent Interactions Using a Laboratory Source: Is There a "Fifth Force" Coupled to Isospin?. <i>Physical Review Letters</i> , 1989, 62, 609-612.	2.9	48
117	Light Curves of Type Ia Supernovae from Near the Time of Explosion. <i>Astronomical Journal</i> , 2007, 133, 403-419.	1.9	48
118	Does antimatter fall with the same acceleration as ordinary matter?. <i>Physical Review Letters</i> , 1991, 66, 850-853.	2.9	47
119	<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.	1.6	46
120	Difference Image Analysis of Galactic Microlensing. I. Data Analysis. <i>Astrophysical Journal</i> , 1999, 521, 602-612.	1.6	45
121	Two Rare Magnetic Cataclysmic Variables with Extreme Cyclotron Features Identified in the Sloan Digital Sky Survey. <i>Astrophysical Journal</i> , 2003, 583, 902-906.	1.6	45
122	SN 2010ay IS A LUMINOUS AND BROAD-LINED TYPE Ic SUPERNOVA WITHIN A LOW-METALLICITY HOST GALAXY. <i>Astrophysical Journal</i> , 2012, 756, 184.	1.6	42
123	WEAK-LENSING MASS MEASUREMENTS OF FIVE GALAXY CLUSTERS IN THE SOUTH POLE TELESCOPE SURVEY USING MAGELLAN/MEGACAM. <i>Astrophysical Journal</i> , 2012, 758, 68.	1.6	42
124	A SEARCH FOR FAST OPTICAL TRANSIENTS IN THE Pan-STARRS1 MEDIUM-DEEP SURVEY: M-DWARF FLARES, ASTEROIDS, LIMITS ON EXTRAGALACTIC RATES, AND IMPLICATIONS FOR LSST. <i>Astrophysical Journal</i> , 2013, 779, 18.	1.6	42
125	SPT-CL J2040â€“4451: AN SZ-SELECTED GALAXY CLUSTER AT $z = 1.478$ WITH SIGNIFICANT ONGOING STAR FORMATION. <i>Astrophysical Journal</i> , 2014, 794, 12.	1.6	42
126	MACHO Project Photometry of RR Lyrae Stars in the Sagittarius Dwarf Galaxy. <i>Astrophysical Journal</i> , 1997, 474, 217-222.	1.6	42

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127	The Apache Point Observatory Lunar Laser-ranging Operation (APOLLO): Two Years of Millimeter-Precision Measurements of the Earth-Moon Range ¹ . Publications of the Astronomical Society of the Pacific, 2009, 121, 29-40.	1.0	40
128	The MACHO Project LMC Variable Star Inventory. VIII. The Recent Star Formation History of the Large Magellanic Cloud from the Cepheid Period Distribution. Astronomical Journal, 1999, 117, 920-926.	1.9	40
129	Discovery and Characterization of a Caustic Crossing Microlensing Event in the Small Magellanic Cloud. Astrophysical Journal, 1999, 518, 44-49.	1.6	40
130	Real-Time Detection and Multisite Observations of Gravitational Microlensing. Astrophysical Journal, 1996, 463, L67-L70.	1.6	40
131	SPECTROSCOPY OF HIGH-REDSHIFT SUPERNOVAE FROM THE ESSENCE PROJECT: THE FIRST FOUR YEARS. Astronomical Journal, 2009, 137, 3731-3742.	1.9	39
132	<i>GALEX</i> AND PAN-STARRS1 DISCOVERY OF SN IIP 2010aq: THE FIRST FEW DAYS AFTER SHOCK BREAKOUT IN A RED SUPERGIANT STAR. Astrophysical Journal Letters, 2010, 720, L77-L81.	3.0	39
133	Experimental limits on any long range nongravitational interaction between dark matter and ordinary matter. Physical Review Letters, 1993, 70, 119-122.	2.9	38
134	Hubble Space Telescope Observations of Nine High-Redshift ESSENCE Supernovae. Astronomical Journal, 2005, 130, 2453-2472.	1.9	38
135	Observations of the GRB Afterglow ATLAS17aeu and Its Possible Association with GW 170104. Astrophysical Journal, 2017, 850, 149.	1.6	38
136	Is the Large Magellanic Cloud Microlensing Due to an Intervening Dwarf Galaxy?. Astrophysical Journal, 1997, 490, L59-L63.	1.6	37
137	The MACHO Project Hubble Space Telescope Follow-Up: Preliminary Results on the Location of the Large Magellanic Cloud Microlensing Source Stars. Astrophysical Journal, 2001, 552, 582-590.	1.6	37
138	A ROBUST QUANTIFICATION OF GALAXY CLUSTER MORPHOLOGY USING ASYMMETRY AND CENTRAL CONCENTRATION. Astrophysical Journal, 2013, 779, 112.	1.6	36
139	SPT-GMOS: A GEMINI/GMOS-SOUTH SPECTROSCOPIC SURVEY OF GALAXY CLUSTERS IN THE SPT-SZ SURVEY. Astrophysical Journal, Supplement Series, 2016, 227, 3.	3.0	36
140	PAndromedaâ€™ FIRST RESULTS FROM THE HIGH-CADENCE MONITORING OF M31 WITH Pan-STARRS 1. Astronomical Journal, 2012, 143, 89.	1.9	34
141	Testing for X-Rayâ€™SZ Differences and Redshift Evolution in the X-Ray Morphology of Galaxy Clusters. Astrophysical Journal, 2017, 841, 5.	1.6	34
142	PRECISION DETERMINATION OF ATMOSPHERIC EXTINCTION AT OPTICAL AND NEAR-INFRARED WAVELENGTHS. Astrophysical Journal, 2010, 720, 811-823.	1.6	33
143	Toward Rapid Transient Identification and Characterization of Kilonovae. Astrophysical Journal, 2017, 849, 12.	1.6	33
144	The LSST DESC DC2 Simulated Sky Survey. Astrophysical Journal, Supplement Series, 2021, 253, 31.	3.0	32

#	ARTICLE	IF	CITATIONS
145	MACHO 96â€œLMCâ€œ2: Lensing of a Binary Source in the Large Magellanic Cloud and Constraints on the Lensing Object. <i>Astrophysical Journal</i> , 2001, 552, 259-267.	1.6	32
146	THE PHOTOMETRIC CLASSIFICATION SERVER FOR Pan-STARRS1. <i>Astrophysical Journal</i> , 2012, 746, 128.	1.6	31
147	The MACHO Project Large Magellanic Cloud Variable Star Inventory. IV. New R Coronae Borealis Stars. <i>Astrophysical Journal</i> , 1996, 470, 583.	1.6	31
148	The Mount Stromlo Abell Cluster Supernova Search. <i>Astronomical Journal</i> , 1998, 115, 26-36.	1.9	30
149	HIGH-REDSHIFT COOL-CORE GALAXY CLUSTERS DETECTED VIA THE SUNYAEV-ZEL'DOVICH EFFECT IN THE SOUTH POLE TELESCOPE SURVEY. <i>Astrophysical Journal</i> , 2012, 761, 183.	1.6	29
150	SOUTH POLE TELESCOPE DETECTIONS OF THE PREVIOUSLY UNCONFIRMED <i>PLANCK</i> EARLY SUNYAEV-ZEL'DOVICH CLUSTERS IN THE SOUTHERN HEMISPHERE. <i>Astrophysical Journal Letters</i> , 2011, 735, L36.	3.0	28
151	Optical and Near-Infrared Observations of the Peculiar Type Ia Supernova 1999ac. <i>Astronomical Journal</i> , 2006, 131, 2615-2627.	1.9	27
152	Optical confirmation and redshift estimation of the Planck cluster candidates overlapping the Pan-STARRS Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 3370-3380.	1.6	27
153	Subpercent Photometry: Faint DA White Dwarf Spectrophotometric Standards for Astrophysical Observatories. <i>Astrophysical Journal, Supplement Series</i> , 2019, 241, 20.	3.0	26
154	The Telescope System of the MACHO Program. <i>Publications of the Astronomical Society of the Pacific</i> , 1996, 108, 220.	1.0	26
155	<title>32-megapixel dual-color CCD imaging system</title>. , 1993, 1900, 192.		25
156	Linking optical and infrared observations with gravitational wave sources through transient variability. <i>Classical and Quantum Gravity</i> , 2008, 25, 184033.	1.5	25
157	Galactic Bulge Microlensing Events from the MACHO Collaboration. <i>Astrophysical Journal</i> , 2005, 631, 906-934.	1.6	24
158	Precision astronomy with imperfect fully depleted CCDs â€” an introduction and a suggested lexicon. <i>Journal of Instrumentation</i> , 2014, 9, C03032-C03032.	0.5	24
159	A 421-d activity cycle in the BeX recurrent transient A0538-66 from MACHO monitoring. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 321, 678-684.	1.6	22
160	Difference Image Analysis of Galactic Microlensing. II. Microlensing Events. <i>Astrophysical Journal, Supplement Series</i> , 1999, 124, 171-179.	3.0	21
161	APOLLO: A NEW PUSH IN LUNAR LASER RANGING. <i>International Journal of Modern Physics D</i> , 2007, 16, 2127-2135.	0.9	20
162	The Zero Point of Extinction toward Baade's Window from RR Lyrae Stars. <i>Astrophysical Journal</i> , 1998, 494, 396-399.	1.6	19

#	ARTICLE	IF	CITATIONS
163	The Systemic Velocity and Internal Kinematics of the Dwarf Galaxy LGS 3: An Optical Foray beyond the Milky Way. Publications of the Astronomical Society of the Pacific, 1999, 111, 306-312.	1.0	19
164	Velocity Segregation and Systematic Biases in Velocity Dispersion Estimates with the SPT-GMOS Spectroscopic Survey. Astrophysical Journal, 2017, 837, 88.	1.6	17
165	Imaging and Demography of the Host Galaxies of High-Redshift Type Ia Supernovae. Astronomical Journal, 2003, 126, 2608-2621.	1.9	16
166	PISCO: the Parallel Imager for Southern Cosmology Observations. Proceedings of SPIE, 2014, , .	0.8	16
167	Maximizing the probability of detecting an electromagnetic counterpart of gravitational-wave events. Experimental Astronomy, 2016, 42, 165-178.	1.6	16
168	The serious business of listing authors. Nature, 1997, 388, 320-320.	13.7	15
169	The X-ray off-state of the supersoft source CAL 83 and its interpretation. Monthly Notices of the Royal Astronomical Society, 1997, 286, 483-486.	1.6	14
170	Solar system constraints on the Dvali-Gabadadze-Porrati braneworld theory of gravity. Physical Review D, 2008, 78, .	1.6	14
171	Precise astronomical flux calibration and its impact on studying the nature of the dark energy. Modern Physics Letters A, 2015, 30, 1530030.	0.5	14
172	Exploring the Outer Solar System with the ESSENCE Supernova Survey. Astrophysical Journal, 2008, 682, L53-L56.	1.6	13
173	Astrometry with the MACHO Data Archive. I. High Proper Motion Stars toward the Galactic Bulge and Magellanic Clouds. Astrophysical Journal, 2001, 562, 337-347.	1.6	13
174	An optical to IR sky brightness model for the LSST. Proceedings of SPIE, 2016, , .	0.8	13
175	The Impact of Observing Strategy on Cosmological Constraints with LSST. Astrophysical Journal, Supplement Series, 2022, 259, 58.	3.0	13
176	A Strategy for Finding Near-Earth Objects with the SDSS Telescope. Astronomical Journal, 2004, 127, 2978-2987.	1.9	11
177	WISE J233237.05â€“505643.5: A DOUBLE-PEAKED, BROAD-LINED ACTIVE GALACTIC NUCLEUS WITH A SPIRAL-SHAPED RADIO MORPHOLOGY. Astrophysical Journal, 2013, 779, 41.	1.6	11
178	Optical photometry of the eclipsing Large Magellanic Cloud supersoft source CAL 87. Monthly Notices of the Royal Astronomical Society, 1997, 287, 699-704.	1.6	10
179	A New Look at the Blazhko Effect in RR Lyrae Stars with High-Quality Data from the MACHO Project. International Astronomical Union Colloquium, 2000, 176, 291-298.	0.1	10
180	Sky Variability in the <i>y</i> Band at the LSST Site. Publications of the Astronomical Society of the Pacific, 2010, 122, 722-730.	1.0	10

#	ARTICLE	IF	CITATIONS
181	ALL-WEATHER CALIBRATION OF WIDE-FIELD OPTICAL AND NIR SURVEYS. <i>Astronomical Journal</i> , 2014, 147, 19.	1.9	10
182	Shielding the "Fifth Force"?. <i>Physical Review Letters</i> , 1988, 61, 2152-2152.	2.9	9
183	Performance of a 60 gram cryogenic germanium detector. <i>IEEE Transactions on Nuclear Science</i> , 1991, 38, 226-230.	1.2	9
184	Variable Stars in the MACHO Collaboration Database. <i>International Astronomical Union Colloquium</i> , 1995, 155, 221-231.	0.1	8
185	Real-time Time-variability Analysis of GB to TB Datasets: Experience from SuperMACHO and Supernova projects at NOAO/CTIO. , 2002, , .		8
186	The Galactic Exoplanet Survey Telescope (GEST). , 2003, , .		8
187	Photometry and Spectroscopy of Faint Candidate Spectrophotometric Standard DA White Dwarfs. <i>Astrophysical Journal</i> , 2019, 872, 199.	1.6	8
188	Constraints of Proposed Spin-0 and Spin-1 Partners of the Graviton. <i>Physical Review Letters</i> , 1988, 61, 2409-2411.	2.9	7
189	OPTICAL CROSS-CORRELATION FILTERS: AN ECONOMICAL APPROACH FOR IDENTIFYING SNe Ia AND ESTIMATING THEIR REDSHIFTS. <i>Astrophysical Journal</i> , 2009, 706, 94-107.	1.6	7
190	A framework for modeling the detailed optical response of thick, multiple segment, large format sensors for precision astronomy applications. <i>Proceedings of SPIE</i> , 2014, , .	0.8	7
191	Observational Implications of Lowering the LIGO-Virgo Alert Threshold. <i>Astrophysical Journal Letters</i> , 2018, 861, L24.	3.0	7
192	Constraining Temporal Oscillations of Cosmological Parameters Using SNe Ia. <i>Astrophysical Journal</i> , 2019, 875, 34.	1.6	7
193	<title>CCD mosaics--past, present, and future: a review</title> . , 1998, 3355, 469.		6
194	Reply to Gagnon et al.: All color vision is more difficult in turbid water. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E6910-E6910.	3.3	6
195	Calibration of the LSST instrumental and atmospheric photometric passbands. <i>Proceedings of SPIE</i> , 2010, , .	0.8	5
196	Ground-based observatory operations optimized and enhanced by direct atmospheric measurements. , 2010, , .		5
197	Optical identification of the LMC supersoft source RX J0527.8-6954 from MACHO project photometry. <i>Monthly Notices of the Royal Astronomical Society</i> , 1997, 291, L13-L16.	1.6	4
198	Lunar laser ranging using avalanche photodiode (APD) arrays. , 2002, , .		4

#	ARTICLE	IF	CITATIONS
199	Visible Imaging Fourier Transform Spectrometer: Design and Calibration. , 2003, , .		4
200	A collimated beam projector for precise telescope calibration. Proceedings of SPIE, 2016, , .	0.8	4
201	ALTSched: Improved Scheduling for Time-domain Science with LSST. Publications of the Astronomical Society of the Pacific, 2019, 131, 115002.	1.0	4
202	Active Optical Control with Machine Learning: A Proof of Concept for the Vera C. Rubin Observatory. Astronomical Journal, 2021, 161, 216.	1.9	4
203	The LSST calibration hardware system design and development. , 2016, , .		4
204	Fifth force remains elusive. Nature, 1989, 338, 301-302.	13.7	3
205	Low noise front end electronics for dilution refrigerator experiments. Journal of Low Temperature Physics, 1993, 93, 755-760.	0.6	3
206	Frequency Analysis of the RRc Variables of the MACHO Database for the LMC. International Astronomical Union Colloquium, 2000, 176, 313-314.	0.1	3
207	Gallery of datacubes obtained with the Livermore imaging Fourier transform spectrometer. , 2003, , .		3
208	Space-based photometric precision from ground-based telescopes. Proceedings of SPIE, 2010, , .	0.8	3
209	Real-time earthquake warning for astronomical observatories. Experimental Astronomy, 2015, 39, 387-404.	1.6	3
210	A daytime measurement of the lunar contribution to the night sky brightness in LSST's ugrizy bands—initial results. Experimental Astronomy, 2016, 41, 393-408.	1.6	3
211	Testing of the LSST's photometric calibration strategy at the CTIO 0.9 meter telescope. , 2018, , .		3
212	Feature-based telescope scheduler. Proceedings of SPIE, 2016, , .	0.8	2
213	High fidelity point-spread function retrieval in the presence of electrostatic, hysteretic pixel response. , 2016, , .		2
214	Comment on "a new approach to the question of the fifth force". Physics Letters, Section A: General, Atomic and Solid State Physics, 1988, 132, 91-92.	0.9	1
215	Method for extending the dynamic range of CCD instruments. , 1998, , .		1
216	The SuperMACHO Microlensing Survey. Proceedings of the International Astronomical Union, 2004, 2004, 357-362.	0.0	1

#	ARTICLE	IF	CITATIONS
217	Calibrations of LSST camera and telescope systems. , 2006, , .		1
218	Light echoes of SNe in the LMC. Proceedings of the International Astronomical Union, 2006, 2, 313-313.	0.0	1
219	Spectroradiometric calibration of telescopes using laser illumination of flat field screens. Proceedings of SPIE, 2010, , .	0.8	1
220	Comparison of MODTRAN5 atmospheric extinction predictions with narrowband astronomical flux observations. Proceedings of SPIE, 2015, , .	0.8	1
221	Windowing artefacts likely account for recent claimed detection of oscillating cosmic scale factor. Monthly Notices of the Royal Astronomical Society, 2020, 498, 5512-5516.	1.6	1
222	Simultaneous measurement of thermal and ionization signals in a 60 g cryogenic germanium detector. IEEE Transactions on Nuclear Science, 1992, 39, 1237-1241.	1.2	0
223	Cepheids in the Magellanic Clouds. International Astronomical Union Colloquium, 1995, 155, 232-240.	0.1	0
224	ADDRESSING THE CRISIS IN FUNDAMENTAL PHYSICS. International Journal of Modern Physics D, 2007, 16, 1947-1952.	0.9	0
225	A proposed global atmospheric monitoring network based on standard stars. , 2009, , .		0
226	Calibration dome screen for the Large Synoptic Survey Telescope. , 2010, , .		0
227	Testing of the LSST's photometric calibration strategy at the CTIO 0.9 meter telescope. Proceedings of the International Astronomical Union, 2018, 14, 485-485.	0.0	0
228	Strobed imaging as a method for the determination and diagnosis of local seeing. Monthly Notices of the Royal Astronomical Society, 2021, 508, 3936-3942.	1.6	0
229	ADDRESSING THE CRISIS IN FUNDAMENTAL PHYSICS. , 2009, , 71-76.		0
230	Initial assessment of monocrystalline silicon solar cells as large-area sensors for precise flux calibration. Journal of Astronomical Telescopes, Instruments, and Systems, 2020, 6, 1.	1.0	0
231	Vera C. Rubin Observatory auxiliary telescope commissioning as a control system pathfinder. , 2020, , .		0
232	Detector Count Rate Nonlinearity Determination Using Signal Intermodulation. Research Notes of the AAS, 2020, 4, 178.	0.3	0
233	Characterization and Quantum Efficiency Determination of Monocrystalline Silicon Solar Cells as Sensors for Precise Flux Calibration. Journal of Astronomical Instrumentation, 0, , .	0.8	0