

# Christopher W Stubbs

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

222  
papers

42,587  
citations

78  
h-index

206  
g-index

235  
ext. papers

45,977  
ext. citations

6.4  
avg, IF

5.71  
L-index

#	Paper	IF	Citations
222	The Impact of Observing Strategy on Cosmological Constraints with LSST. <i>Astrophysical Journal, Supplement Series</i> , <b>2022</b> , 259, 58	8	1
221	The LSST DESC DC2 Simulated Sky Survey. <i>Astrophysical Journal, Supplement Series</i> , <b>2021</b> , 253, 31	8	8
220	Active Optical Control with Machine Learning: A Proof of Concept for the Vera C. Rubin Observatory. <i>Astronomical Journal</i> , <b>2021</b> , 161, 216	4.9	1
219	Detector Count Rate Nonlinearity Determination Using Signal Intermodulation. <i>Research Notes of the AAS</i> , <b>2020</b> , 4, 178	0.8	
218	The Pan-STARRS Data-processing System. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 251, 3	8	23
217	Pan-STARRS Photometric and Astrometric Calibration. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 251, 6	8	48
216	Pan-STARRS Pixel Analysis: Source Detection and Characterization. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 251, 5	8	21
215	Initial assessment of monocrystalline silicon solar cells as large-area sensors for precise flux calibration. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , <b>2020</b> , 6, 1	1.1	
214	Windowing artefacts likely account for recent claimed detection of oscillating cosmic scale factor. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 498, 5512-5516	4.3	1
213	Subpercent Photometry: Faint DA White Dwarf Spectrophotometric Standards for Astrophysical Observatories. <i>Astrophysical Journal, Supplement Series</i> , <b>2019</b> , 241, 20	8	16
212	Cluster Cosmology Constraints from the 2500 deg <sup>2</sup> SPT-SZ Survey: Inclusion of Weak Gravitational Lensing Data from Magellan and the Hubble Space Telescope. <i>Astrophysical Journal</i> , <b>2019</b> , 878, 55	4.7	125
211	Photometry and Spectroscopy of Faint Candidate Spectrophotometric Standard DA White Dwarfs. <i>Astrophysical Journal</i> , <b>2019</b> , 872, 199	4.7	4
210	Constraining Temporal Oscillations of Cosmological Parameters Using SNe Ia. <i>Astrophysical Journal</i> , <b>2019</b> , 875, 34	4.7	5
209	ALTSched: Improved Scheduling for Time-domain Science with LSST. <i>Publications of the Astronomical Society of the Pacific</i> , <b>2019</b> , 131, 115002	5	4
208	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> , <b>2018</b> , 859, 101	4.7	946
207	Observational Implications of Lowering the LIGO-Virgo Alert Threshold. <i>Astrophysical Journal Letters</i> , <b>2018</b> , 861, L24	7.9	5
206	Testing of the LSST <sup>B</sup> photometric calibration strategy at the CTIO 0.9 meter telescope. <i>Proceedings of the International Astronomical Union</i> , <b>2018</b> , 14, 485-485	0.1	

205	Testing for X-RaySZ Differences and Redshift Evolution in the X-Ray Morphology of Galaxy Clusters. <i>Astrophysical Journal</i> , <b>2017</b> , 841, 5	4.7	26
204	Velocity Segregation and Systematic Biases in Velocity Dispersion Estimates with the SPT-GMOS Spectroscopic Survey. <i>Astrophysical Journal</i> , <b>2017</b> , 837, 88	4.7	13
203	Toward Rapid Transient Identification and Characterization of Kilonovae. <i>Astrophysical Journal</i> , <b>2017</b> , 849, 12	4.7	22
202	Observations of the GRB Afterglow ATLAS17aeu and Its Possible Association with GW 170104. <i>Astrophysical Journal</i> , <b>2017</b> , 850, 149	4.7	33
201	A collimated beam projector for precise telescope calibration <b>2016</b> ,		1
200	Maximizing the probability of detecting an electromagnetic counterpart of gravitational-wave events. <i>Experimental Astronomy</i> , <b>2016</b> , 42, 165-178	1.3	15
199	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> , <b>2016</b> , 113, E6910	11.5	4
198	Feature-based telescope scheduler <b>2016</b> ,		2
197	HYPERCALIBRATION: A PAN-STARRS1-BASED RECALIBRATION OF THE SLOAN DIGITAL SKY SURVEY PHOTOMETRY. <i>Astrophysical Journal</i> , <b>2016</b> , 822, 66	4.7	64
196	A daytime measurement of the lunar contribution to the night sky brightness in LSST's ugrizy bands: initial results. <i>Experimental Astronomy</i> , <b>2016</b> , 41, 393-408	1.3	3
195	An optical to IR sky brightness model for the LSST <b>2016</b> ,		11
194	High fidelity point-spread function retrieval in the presence of electrostatic, hysteretic pixel response <b>2016</b> ,		1
193	The LSST calibration hardware system design and development <b>2016</b> ,		1
192	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> , <b>2016</b> , 113, 8206-11	11.5	34
191	COSMOLOGICAL CONSTRAINTS FROM GALAXY CLUSTERS IN THE 2500 SQUARE-DEGREE SPT-SZ SURVEY. <i>Astrophysical Journal</i> , <b>2016</b> , 832, 95	4.7	153
190	SPT-GMOS: A GEMINI/GMOS-SOUTH SPECTROSCOPIC SURVEY OF GALAXY CLUSTERS IN THE SPT-SZ SURVEY. <i>Astrophysical Journal, Supplement Series</i> , <b>2016</b> , 227, 3	8	29
189	GALAXY CLUSTERS DISCOVERED VIA THE SUNYAEV-ZEL'DOVICH EFFECT IN THE 2500-SQUARE-DEGREE SPT-SZ SURVEY. <i>Astrophysical Journal, Supplement Series</i> , <b>2015</b> , 216, 27	8	379
188	Real-time earthquake warning for astronomical observatories. <i>Experimental Astronomy</i> , <b>2015</b> , 39, 387-404	4.3	2

187	GALEXDETECTION OF SHOCK BREAKOUT IN TYPE IIP SUPERNOVA PS1-13arp: IMPLICATIONS FOR THE PROGENITOR STAR WIND. <i>Astrophysical Journal</i> , <b>2015</b> , 804, 28	4-7	36
186	Comparison of MODTRAN5 atmospheric extinction predictions with narrowband astronomical flux observations <b>2015</b> ,		1
185	Precise astronomical flux calibration and its impact on studying the nature of the dark energy. <i>Modern Physics Letters A</i> , <b>2015</b> , 30, 1530030	1-3	9
184	Optical confirmation and redshift estimation of the Planck cluster candidates overlapping the Pan-STARRS Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 449, 3370-3380	4-3	24
183	COSMOLOGICAL CONSTRAINTS FROM MEASUREMENTS OF TYPE Ia SUPERNOVAE DISCOVERED DURING THE FIRST 1.5 yr OF THE Pan-STARRS1 SURVEY. <i>Astrophysical Journal</i> , <b>2014</b> , 795, 44	4-7	216
182	A MAP OF DUST REDDENING TO 4.5 kpc FROM Pan-STARRS1. <i>Astrophysical Journal</i> , <b>2014</b> , 789, 15	4-7	76
181	A framework for modeling the detailed optical response of thick, multiple segment, large format sensors for precision astronomy applications <b>2014</b> ,		6
180	PISCO: the Parallel Imager for Southern Cosmology Observations <b>2014</b> ,		12
179	DISCOVERY OF EIGHTz~ 6 QUASARS FROM Pan-STARRS1. <i>Astronomical Journal</i> , <b>2014</b> , 148, 14	4-9	112
178	SYSTEMATIC UNCERTAINTIES ASSOCIATED WITH THE COSMOLOGICAL ANALYSIS OF THE FIRST PAN-STARRS1 TYPE Ia SUPERNOVA SAMPLE. <i>Astrophysical Journal</i> , <b>2014</b> , 795, 45	4-7	118
177	The superluminous supernova PS1-11ap: bridging the gap between low and high redshift. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 437, 656-674	4-3	60
176	SPT-CL J2040-451: AN SZ-SELECTED GALAXY CLUSTER ATz= 1.478 WITH SIGNIFICANT ONGOING STAR FORMATION. <i>Astrophysical Journal</i> , <b>2014</b> , 794, 12	4-7	38
175	OPTICAL SPECTROSCOPY AND VELOCITY DISPERSIONS OF GALAXY CLUSTERS FROM THE SPT-SZ SURVEY. <i>Astrophysical Journal</i> , <b>2014</b> , 792, 45	4-7	86
174	ALL-WEATHER CALIBRATION OF WIDE-FIELD OPTICAL AND NIR SURVEYS. <i>Astronomical Journal</i> , <b>2014</b> , 147, 19	4-9	9
173	THE REDSHIFT EVOLUTION OF THE MEAN TEMPERATURE, PRESSURE, AND ENTROPY PROFILES IN 80 SPT-SELECTED GALAXY CLUSTERS. <i>Astrophysical Journal</i> , <b>2014</b> , 794, 67	4-7	74
172	Precision astronomy with imperfect fully depleted CCDs An introduction and a suggested lexicon. <i>Journal of Instrumentation</i> , <b>2014</b> , 9, C03032-C03032	1	20
171	Slowly fading super-luminous supernovae that are not pair-instability explosions. <i>Nature</i> , <b>2013</b> , 502, 346-349	5-4	197
170	WISE J233237.05+05643.5: A DOUBLE-PEAKED, BROAD-LINED ACTIVE GALACTIC NUCLEUS WITH A SPIRAL-SHAPED RADIO MORPHOLOGY. <i>Astrophysical Journal</i> , <b>2013</b> , 779, 41	4-7	10

169	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> , <b>2013</b> , 779, 18	4-7	37
168	THE PAN-STARRS 1 PHOTOMETRIC REFERENCE LADDER, RELEASE 12.01. <i>Astrophysical Journal, Supplement Series</i> , <b>2013</b> , 205, 20	8	232
167	A ROBUST QUANTIFICATION OF GALAXY CLUSTER MORPHOLOGY USING ASYMMETRY AND CENTRAL CONCENTRATION. <i>Astrophysical Journal</i> , <b>2013</b> , 779, 112	4-7	30
166	PS1-10bzj: A FAST, HYDROGEN-POOR SUPERLUMINOUS SUPERNOVA IN A METAL-POOR HOST GALAXY. <i>Astrophysical Journal</i> , <b>2013</b> , 771, 97	4-7	70
165	PS1-10afx ATz= 1.388: PAN-STARRS1 DISCOVERY OF A NEW TYPE OF SUPERLUMINOUS SUPERNOVA. <i>Astrophysical Journal</i> , <b>2013</b> , 767, 162	4-7	51
164	GALAXY CLUSTERS DISCOVERED VIA THE SUNYAEV-ZELDOVICH EFFECT IN THE FIRST 720 SQUARE DEGREES OF THE SOUTH POLE TELESCOPE SURVEY. <i>Astrophysical Journal</i> , <b>2013</b> , 763, 127	4-7	224
163	SPT-CL J02055829: Az= 1.32 EVOLVED MASSIVE GALAXY CLUSTER IN THE SOUTH POLE TELESCOPE SUNYAEV-ZEL'DOVICH EFFECT SURVEY. <i>Astrophysical Journal</i> , <b>2013</b> , 763, 93	4-7	47
162	COSMOLOGICAL CONSTRAINTS FROM SUNYAEV-ZEL'DOVICH-SELECTED CLUSTERS WITH X-RAY OBSERVATIONS IN THE FIRST 178 deg <sup>2</sup> OF THE SOUTH POLE TELESCOPE SURVEY. <i>Astrophysical Journal</i> , <b>2013</b> , 763, 147	4-7	194
161	SN 2010ay IS A LUMINOUS AND BROAD-LINED TYPE Ic SUPERNOVA WITHIN A LOW-METALLICITY HOST GALAXY. <i>Astrophysical Journal</i> , <b>2012</b> , 756, 184	4-7	41
160	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> , <b>2012</b> , 761, 22	4-7	80
159	WEAK-LENSING MASS MEASUREMENTS OF FIVE GALAXY CLUSTERS IN THE SOUTH POLE TELESCOPE SURVEY USING MAGELLAN/MEGACAM. <i>Astrophysical Journal</i> , <b>2012</b> , 758, 68	4-7	38
158	PHOTOMETRIC CALIBRATION OF THE FIRST 1.5 YEARS OF THE PAN-STARRS1 SURVEY. <i>Astrophysical Journal</i> , <b>2012</b> , 756, 158	4-7	266
157	APOLLO: millimeter lunar laser ranging. <i>Classical and Quantum Gravity</i> , <b>2012</b> , 29, 184005	3-3	50
156	PAndromedaFIRST RESULTS FROM THE HIGH-CADENCE MONITORING OF M31 WITH Pan-STARRS 1. <i>Astronomical Journal</i> , <b>2012</b> , 143, 89	4-9	34
155	HIGH-REDSHIFT COOL-CORE GALAXY CLUSTERS DETECTED VIA THE SUNYAEV-ZEL'DOVICH EFFECT IN THE SOUTH POLE TELESCOPE SURVEY. <i>Astrophysical Journal</i> , <b>2012</b> , 761, 183	4-7	29
154	THE PHOTOMETRIC CLASSIFICATION SERVER FOR Pan-STARRS1. <i>Astrophysical Journal</i> , <b>2012</b> , 746, 128	4-7	28
153	A massive, cooling-flow-induced starburst in the core of a luminous cluster of galaxies. <i>Nature</i> , <b>2012</b> , 488, 349-52	50-4	131
152	THE Pan-STARRS1 PHOTOMETRIC SYSTEM. <i>Astrophysical Journal</i> , <b>2012</b> , 750, 99	4-7	564

151	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> , <b>2011</b> , 731, L11	7.9	47
150	SOUTH POLE TELESCOPE DETECTIONS OF THE PREVIOUSLY UNCONFIRMED PLANCK EARLY SUNYAEV-ZEL'DOVICH CLUSTERS IN THE SOUTHERN HEMISPHERE. <i>Astrophysical Journal Letters</i> , <b>2011</b> , 735, L36	7.9	24
149	PUSHING THE BOUNDARIES OF CONVENTIONAL CORE-COLLAPSE SUPERNOVAE: THE EXTREMELY ENERGETIC SUPERNOVA SN 2003ma. <i>Astrophysical Journal</i> , <b>2011</b> , 729, 88	4.7	69
148	Pan-STARRS1 DISCOVERY OF TWO ULTRALUMINOUS SUPERNOVAE ATzD.9. <i>Astrophysical Journal</i> , <b>2011</b> , 743, 114	4.7	150
147	X-RAY PROPERTIES OF THE FIRST SUNYAEV-ZEL'DOVICH EFFECT SELECTED GALAXY CLUSTER SAMPLE FROM THE SOUTH POLE TELESCOPE. <i>Astrophysical Journal</i> , <b>2011</b> , 738, 48	4.7	129
146	DISCOVERY AND COSMOLOGICAL IMPLICATIONS OF SPT-CL J2106-5844, THE MOST MASSIVE KNOWN CLUSTER AT $z>1$ . <i>Astrophysical Journal</i> , <b>2011</b> , 731, 86	4.7	100
145	A SUNYAEV-ZEL'DOVICH-SELECTED SAMPLE OF THE MOST MASSIVE GALAXY CLUSTERS IN THE 2500 deg <sup>2</sup> SOUTH POLE TELESCOPE SURVEY. <i>Astrophysical Journal</i> , <b>2011</b> , 738, 139	4.7	191
144	Laser ranging to the lost Lunokhod 1 reflector. <i>Icarus</i> , <b>2011</b> , 211, 1103-1108	3.8	56
143	PRECISION DETERMINATION OF ATMOSPHERIC EXTINCTION AT OPTICAL AND NEAR-INFRARED WAVELENGTHS. <i>Astrophysical Journal</i> , <b>2010</b> , 720, 811-823	4.7	28
142	Ground-based observatory operations optimized and enhanced by direct atmospheric measurements <b>2010</b> ,		4
141	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> , <b>2010</b> , 191, 376-388	8	92
140	Space-based photometric precision from ground-based telescopes <b>2010</b> ,		2
139	GALAXY CLUSTERS SELECTED WITH THE SUNYAEV-ZEL'DOVICH EFFECT FROM 2008 SOUTH POLE TELESCOPE OBSERVATIONS. <i>Astrophysical Journal</i> , <b>2010</b> , 722, 1180-1196	4.7	265
138	Sky Variability in theyBand at the LSST Site. <i>Publications of the Astronomical Society of the Pacific</i> , <b>2010</b> , 122, 722-730	5	8
137	GALEX 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> , <b>2010</b> , 720, L77-L81	7.9	36
136	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> , <b>2010</b> , 721, 90-97	4.7	86
135	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> , <b>2010</b> , 723, 1736-1747	4.7	54
134	ULTRA-BRIGHT OPTICAL TRANSIENTS ARE LINKED WITH TYPE Ic SUPERNOVAE. <i>Astrophysical Journal Letters</i> , <b>2010</b> , 724, L16-L21	7.9	190

133	SUPERNOVA 2009kf: AN ULTRAVIOLET BRIGHT TYPE IIP SUPERNOVA DISCOVERED WITH PAN-STARRS 1 AND GALEX. <i>Astrophysical Journal Letters</i> , <b>2010</b> , 717, L52-L56	7.9	50
132	Long-term degradation of optical devices on the Moon. <i>Icarus</i> , <b>2010</b> , 208, 31-35	3.8	50
131	OPTICAL CROSS-CORRELATION FILTERS: AN ECONOMICAL APPROACH FOR IDENTIFYING SNe Ia AND ESTIMATING THEIR REDSHIFTS. <i>Astrophysical Journal</i> , <b>2009</b> , 706, 94-107	4.7	6
130	CfA3: 185 TYPE Ia SUPERNOVA LIGHT CURVES FROM THE CfA. <i>Astrophysical Journal</i> , <b>2009</b> , 700, 331-357	4.7	333
129	SPECTROSCOPY OF HIGH-REDSHIFT SUPERNOVAE FROM THE ESSENCE PROJECT: THE FIRST FOUR YEARS. <i>Astronomical Journal</i> , <b>2009</b> , 137, 3731-3742	4.9	37
128	STELLAR LOCUS REGRESSION: ACCURATE COLOR CALIBRATION AND THE REAL-TIME DETERMINATION OF GALAXY CLUSTER PHOTOMETRIC REDSHIFTS. <i>Astronomical Journal</i> , <b>2009</b> , 138, 110-129	4.9	86
127	Equivalence principle implications of modified gravity models. <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	141
126	The Apache Point Observatory Lunar Laser-ranging Operation (APOLLO): Two Years of Millimeter-Precision Measurements of the Earth-Moon Range. <i>Publications of the Astronomical Society of the Pacific</i> , <b>2009</b> , 121, 29-40	5	27
125	ADDRESSING THE CRISIS IN FUNDAMENTAL PHYSICS <b>2009</b> , 71-76		
124	The Apache Point Observatory Lunar Laser-ranging Operation: Instrument Description and First Detections. <i>Publications of the Astronomical Society of the Pacific</i> , <b>2008</b> , 120, 20-37	5	71
123	Solar system constraints on the Dvali-Gabadadze-Porrati braneworld theory of gravity. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	13
122	Linking optical and infrared observations with gravitational wave sources through transient variability. <i>Classical and Quantum Gravity</i> , <b>2008</b> , 25, 184033	3.3	23
121	Time Dilation in Type Ia Supernova Spectra at High Redshift*. <i>Astrophysical Journal</i> , <b>2008</b> , 682, 724-736	4.7	42
120	Constraining Cosmic Evolution of Type Ia Supernovae. <i>Astrophysical Journal</i> , <b>2008</b> , 684, 68-87	4.7	56
119	Spectral Identification of an Ancient Supernova Using Light Echoes in the Large Magellanic Cloud. <i>Astrophysical Journal</i> , <b>2008</b> , 680, 1137-1148	4.7	90
118	Evidence for Distinct Components of the Galactic Stellar Halo from 838 RR Lyrae Stars Discovered in the LONEOS-I Survey. <i>Astrophysical Journal</i> , <b>2008</b> , 678, 865-887	4.7	84
117	Exploring the Outer Solar System with the ESSENCE Supernova Survey. <i>Astrophysical Journal</i> , <b>2008</b> , 682, L53-L56	4.7	12
116	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> , <b>2007</b> , 119, 1163-1178	5	45

115	APOLLO: A NEW PUSH IN LUNAR LASER RANGING. <i>International Journal of Modern Physics D</i> , <b>2007</b> , 16, 2127-2135	2.2	18
114	Testing for Lorentz violation: constraints on standard-model-extension parameters via lunar laser ranging. <i>Physical Review Letters</i> , <b>2007</b> , 99, 241103	7.4	110
113	Observational Constraints on the Nature of Dark Energy: First Cosmological Results from the ESSENCE Supernova Survey. <i>Astrophysical Journal</i> , <b>2007</b> , 666, 694-715	4.7	688
112	The ESSENCE Supernova Survey: Survey Optimization, Observations, and Supernova Photometry. <i>Astrophysical Journal</i> , <b>2007</b> , 666, 674-693	4.7	223
111	Scrutinizing Exotic Cosmological Models Using ESSENCE Supernova Data Combined with Other Cosmological Probes. <i>Astrophysical Journal</i> , <b>2007</b> , 666, 716-725	4.7	446
110	ADDRESSING THE CRISIS IN FUNDAMENTAL PHYSICS. <i>International Journal of Modern Physics D</i> , <b>2007</b> , 16, 1947-1952	2.2	
109	Light Curves of Type Ia Supernovae from Near the Time of Explosion. <i>Astronomical Journal</i> , <b>2007</b> , 133, 403-419	4.9	43
108	Photometry of the Type Ia Supernovae 1999cc, 1999cl, and 2000cf. <i>Astronomical Journal</i> , <b>2006</b> , 131, 1632-1647	4.9	62
107	Light echoes of SNe in the LMC. <i>Proceedings of the International Astronomical Union</i> , <b>2006</b> , 2, 313-313	0.1	
106	Toward 1% Photometry: End-to-End Calibration of Astronomical Telescopes and Detectors. <i>Astrophysical Journal</i> , <b>2006</b> , 646, 1436-1444	4.7	53
105	Optical and Near-Infrared Observations of the Peculiar Type Ia Supernova 1999ac. <i>Astronomical Journal</i> , <b>2006</b> , 131, 2615-2627	4.9	24
104	Hubble Space Telescope and Ground-based Observations of Type Ia Supernovae at Redshift 0.5: Cosmological Implications. <i>Astrophysical Journal</i> , <b>2006</b> , 642, 1-21	4.7	145
103	Using Line Profiles to Test the Fraternity of Type Ia Supernovae at High and Low Redshifts. <i>Astronomical Journal</i> , <b>2006</b> , 131, 1648-1666	4.9	83
102	Galactic Bulge Microlensing Events from the MACHO Collaboration. <i>Astrophysical Journal</i> , <b>2005</b> , 631, 906-934	4.7	24
101	Spectroscopy of High-Redshift Supernovae from the ESSENCE Project: The First 2 Years. <i>Astronomical Journal</i> , <b>2005</b> , 129, 2352-2375	4.9	58
100	Hubble Space Telescope Observations of Nine High-Redshift ESSENCE Supernovae. <i>Astronomical Journal</i> , <b>2005</b> , 130, 2453-2472	4.9	37
99	Microlensing Optical Depth toward the Galactic Bulge Using Clump Giants from the MACHO Survey. <i>Astrophysical Journal</i> , <b>2005</b> , 631, 879-905	4.7	105
98	Light echoes from ancient supernovae in the Large Magellanic Cloud. <i>Nature</i> , <b>2005</b> , 438, 1132-4	50.4	111



97	Testing LMC Microlensing Scenarios: The Discrimination Power of the SuperMACHO Microlensing Survey. <i>Astrophysical Journal</i> , <b>2005</b> , 634, 1103-1115	4.7	126
96	Twenty-Three High-Redshift Supernovae from the Institute for Astronomy Deep Survey: Doubling the Supernova Sample at $z > 0.7$ . <i>Astrophysical Journal</i> , <b>2004</b> , 602, 571-594	4.7	366
95	A Strategy for Finding Near-Earth Objects with the SDSS Telescope. <i>Astronomical Journal</i> , <b>2004</b> , 127, 2978-2987	4.9	9
94	The SuperMACHO Microlensing Survey. <i>Proceedings of the International Astronomical Union</i> , <b>2004</b> , 2004, 357-362	0.1	
93	Visible Imaging Fourier Transform Spectrometer: Design and Calibration <b>2003</b> ,		2
92	The Galactic Exoplanet Survey Telescope (GEST) <b>2003</b> ,		8
91	Imaging and Demography of the Host Galaxies of High-Redshift Type Ia Supernovae. <i>Astronomical Journal</i> , <b>2003</b> , 126, 2608-2621	4.9	15
90	Variability-selected Quasars in MACHO Project Magellanic Cloud Fields. <i>Astronomical Journal</i> , <b>2003</b> , 125, 1-12	4.9	73
89	The MACHO Project Large Magellanic Cloud Variable Star Inventory. XI. Frequency Analysis of the Fundamental-Mode RR Lyrae Stars. <i>Astrophysical Journal</i> , <b>2003</b> , 598, 597-609	4.7	90
88	Two Rare Magnetic Cataclysmic Variables with Extreme Cyclotron Features Identified in the Sloan Digital Sky Survey. <i>Astrophysical Journal</i> , <b>2003</b> , 583, 902-906	4.7	44
87	Cosmological Results from High- $z$ Supernovae. <i>Astrophysical Journal</i> , <b>2003</b> , 594, 1-24	4.7	1372
86	Sloan Digital Sky Survey: Early Data Release. <i>Astronomical Journal</i> , <b>2002</b> , 123, 485-548	4.9	1875
85	Deep lens survey <b>2002</b> , 4836, 73		79
84	Gravitational Microlensing Events Due to Stellar-Mass Black Holes. <i>Astrophysical Journal</i> , <b>2002</b> , 579, 639-659	4.7	86
83	Real-time Time-variability Analysis of GB to TB Datasets: Experience from SuperMACHO and Supernova projects at NOAO/CTIO <b>2002</b> ,		8
82	Optical Photometry of the Type I[CLC]a[/CLC] Supernova 1999[CLC]ee[/CLC] and the Type I[CLC]b[/CLC]/[CLC]c[/CLC] Supernova 1999[CLC]ex[/CLC] in IC 5179. <i>Astronomical Journal</i> , <b>2002</b> , 124, 2100-2117	4.9	239
81	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> , <b>2001</b> , 122, 1616-1631	4.9	82
80	The First Hour of Extragalactic Data of the Sloan Digital Sky Survey Spectroscopic Commissioning: The Coma Cluster. <i>Astronomical Journal</i> , <b>2001</b> , 121, 2331-2357	4.9	49

79	The MACHO Project: Microlensing Detection Efficiency. <i>Astrophysical Journal, Supplement Series</i> , <b>2001</b> , 136, 439-462	8	50
78	A 421-d activity cycle in the BeX recurrent transient A0538-66 from MACHO monitoring. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2001</b> , 321, 678-684	4.3	19
77	Direct detection of a microlens in the Milky Way. <i>Nature</i> , <b>2001</b> , 414, 617-9	50.4	100
76	Composite Quasar Spectra from the Sloan Digital Sky Survey. <i>Astronomical Journal</i> , <b>2001</b> , 122, 549-564	4.9	1337
75	Colors of 2625 Quasars at 0. <i>Astronomical Journal</i> , <b>2001</b> , 121, 2308-2330	4.9	184
74	The Luminosity Function of Galaxies in SDSS Commissioning Data. <i>Astronomical Journal</i> , <b>2001</b> , 121, 2358-2380	4.9	520
73	MACHO 96-LMC-2: Lensing of a Binary Source in the Large Magellanic Cloud and Constraints on the Lensing Object. <i>Astrophysical Journal</i> , <b>2001</b> , 552, 259-267	4.7	30
72	The MACHO Project Hubble Space Telescope Follow-Up: Preliminary Results on the Location of the Large Magellanic Cloud Microlensing Source Stars. <i>Astrophysical Journal</i> , <b>2001</b> , 552, 582-590	4.7	34
71	The MACHO Project LMC Variable Star Inventory. X. The R Coronae Borealis Stars. <i>Astrophysical Journal</i> , <b>2001</b> , 554, 298-315	4.7	65
70	Astrometry with the MACHO Data Archive. I. High Proper Motion Stars toward the Galactic Bulge and Magellanic Clouds. <i>Astrophysical Journal</i> , <b>2001</b> , 562, 337-347	4.7	12
69	The MACHO Project 9 Million Star Color-Magnitude Diagram of the Large Magellanic Cloud. <i>Astronomical Journal</i> , <b>2000</b> , 119, 2194-2213	4.9	80
68	Binary Microlensing Events from the MACHO Project. <i>Astrophysical Journal</i> , <b>2000</b> , 541, 270-297	4.7	86
67	Optical Spectra of Type I [CLC]a[/CLC] Supernovae at [CLC][ITAL]z[/ITAL]/[CLC] = 0.46 and [CLC][ITAL]z[/ITAL]/[CLC] = 1.2. <i>Astrophysical Journal</i> , <b>2000</b> , 544, L111-L114	4.7	49
66	The MACHO Project: Microlensing Optical Depth toward the Galactic Bulge from Difference Image Analysis. <i>Astrophysical Journal</i> , <b>2000</b> , 541, 734-766	4.7	144
65	Candidate RR Lyrae Stars Found in Sloan Digital Sky Survey Commissioning Data. <i>Astronomical Journal</i> , <b>2000</b> , 120, 963-977	4.9	198
64	Combined Analysis of the Binary Lens Caustic-crossing Event MACHO 98-SMC-1. <i>Astrophysical Journal</i> , <b>2000</b> , 532, 340-352	4.7	95
63	SN 1997cy/GRB 970514: A New Piece in the Gamma-Ray Burst Puzzle?. <i>Astrophysical Journal</i> , <b>2000</b> , 533, 320-328	4.7	101
62	A New Look at the Blazhko Effect in RR Lyrae Stars with High-Quality Data from the MACHO Project. <i>International Astronomical Union Colloquium</i> , <b>2000</b> , 176, 291-298		9

61	Frequency Analysis of the RRc Variables of the MACHO Database for the LMC. <i>International Astronomical Union Colloquium</i> , <b>2000</b> , 176, 313-314		2
60	The MACHO Project: Microlensing Results from 5.7 Years of Large Magellanic Cloud Observations. <i>Astrophysical Journal</i> , <b>2000</b> , 542, 281-307	4.7	650
59	The Sloan Digital Sky Survey: Technical Summary. <i>Astronomical Journal</i> , <b>2000</b> , 120, 1579-1587	4.9	7105
58	Tests of the Accelerating Universe with Near-Infrared Observations of a High-Redshift Type Ia Supernova. <i>Astrophysical Journal</i> , <b>2000</b> , 536, 62-67	4.7	118
57	Uniformity of (V <sub>I</sub> Near-Infrared) Color Evolution of Type Ia Supernovae and Implications for Host Galaxy Extinction Determination. <i>Astrophysical Journal</i> , <b>2000</b> , 539, 658-674	4.7	106
56	The MACHO Project Large Magellanic Cloud Variable-Star Inventory. IX. Frequency Analysis of the First-Overtone RR Lyrae Stars and the Indication for Nonradial Pulsations. <i>Astrophysical Journal</i> , <b>2000</b> , 542, 257-280	4.7	88
55	The Systemic Velocity and Internal Kinematics of the Dwarf Galaxy LGS 3: An Optical Foray beyond the Milky Way. <i>Publications of the Astronomical Society of the Pacific</i> , <b>1999</b> , 111, 306-312	5	18
54	Calibration of the MACHO Photometry Database. <i>Publications of the Astronomical Society of the Pacific</i> , <b>1999</b> , 111, 1539-1558	5	119
53	Difference Image Analysis of Galactic Microlensing. I. Data Analysis. <i>Astrophysical Journal</i> , <b>1999</b> , 521, 602-612	4.7	45
52	Difference Image Analysis of Galactic Microlensing. II. Microlensing Events. <i>Astrophysical Journal, Supplement Series</i> , <b>1999</b> , 124, 171-179	8	20
51	The MACHO Project LMC Variable Star Inventory. VIII. The Recent Star Formation History of the Large Magellanic Cloud from the Cepheid Period Distribution. <i>Astronomical Journal</i> , <b>1999</b> , 117, 920-926	4.9	39
50	Discovery and Characterization of a Caustic Crossing Microlensing Event in the Small Magellanic Cloud. <i>Astrophysical Journal</i> , <b>1999</b> , 518, 44-49	4.7	38
49	Observational Evidence from Supernovae for an Accelerating Universe and a Cosmological Constant. <i>Astronomical Journal</i> , <b>1998</b> , 116, 1009-1038	4.9	11725
48	The High-Z Supernova Search: Measuring Cosmic Deceleration and Global Curvature of the Universe Using Type Ia Supernovae. <i>Astrophysical Journal</i> , <b>1998</b> , 507, 46-63	4.7	1039
47	Supernova Limits on the Cosmic Equation of State. <i>Astrophysical Journal</i> , <b>1998</b> , 509, 74-79	4.7	605
46	The Mount Stromlo Abell Cluster Supernova Search. <i>Astronomical Journal</i> , <b>1998</b> , 115, 26-36	4.9	29
45	CCD mosaics--past, present, and future: a review <b>1998</b> , 3355, 469		5
44	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> , <b>1998</b> , 115, 1921-1933	4.9	76

43	EROS and MACHO Combined Limits on Planetary-Mass Dark Matter in the Galactic Halo. <i>Astrophysical Journal</i> , <b>1998</b> , 499, L9-L12	4-7	129
42	The RR Lyrae Population of the Galactic Bulge from the MACHO Database: Mean Colors and Magnitudes. <i>Astrophysical Journal</i> , <b>1998</b> , 492, 190-199	4-7	53
41	The Zero Point of Extinction toward Baade's Window from RR Lyrae Stars. <i>Astrophysical Journal</i> , <b>1998</b> , 494, 396-399	4-7	19
40	The X-ray off-state of the supersoft source CAL 83 and its interpretation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>1997</b> , 286, 483-486	4-3	12
39	Optical identification of the LMC supersoft source RX J0527.8-6954 from MACHO project photometry. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>1997</b> , 291, L13-L16	4-3	3
38	The serious business of listing authors. <i>Nature</i> , <b>1997</b> , 388, 320	50-4	11
37	Optical photometry of the eclipsing Large Magellanic Cloud supersoft source CAL 87. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>1997</b> , 287, 699-704	4-3	9
36	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> , <b>1997</b> , 486, 697-726	4-7	400
35	The MACHO Project LMC Variable Star Inventory.V.Classification and Orbits of 611 Eclipsing Binary Stars. <i>Astronomical Journal</i> , <b>1997</b> , 114, 326	4-9	67
34	MACHO Project Photometry of RR Lyrae Stars in the Sagittarius Dwarf Galaxy. <i>Astrophysical Journal</i> , <b>1997</b> , 474, 217-222	4-7	40
33	The MACHO Project: 45 Candidate Microlensing Events from the First Year Galactic Bulge Data. <i>Astrophysical Journal</i> , <b>1997</b> , 479, 119-146	4-7	166
32	MACHO Alert 95-30: First Real-Time Observation of Extended Source Effects in Gravitational Microlensing. <i>Astrophysical Journal</i> , <b>1997</b> , 491, 436-450	4-7	126
31	Is the Large Magellanic Cloud Microlensing Due to an Intervening Dwarf Galaxy?. <i>Astrophysical Journal</i> , <b>1997</b> , 490, L59-L63	4-7	35
30	First Detection of a Gravitational Microlensing Candidate toward the Small Magellanic Cloud. <i>Astrophysical Journal</i> , <b>1997</b> , 491, L11-L13	4-7	55
29	The MACHO Project: Limits on Planetary Mass Dark Matter in the Galactic Halo from Gravitational Microlensing. <i>Astrophysical Journal</i> , <b>1996</b> , 471, 774-782	4-7	54
28	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> , <b>1996</b> , 111, 1146	4-9	80
27	The Telescope System of the MACHO Program. <i>Publications of the Astronomical Society of the Pacific</i> , <b>1996</b> , 108, 220	5	21
26	The MACHO Project Large Magellanic Cloud Variable Star Inventory. IV. New R Coronae Borealis Stars. <i>Astrophysical Journal</i> , <b>1996</b> , 470, 583	4-7	28

25	Real-Time Detection and Multisite Observations of Gravitational Microlensing. <i>Astrophysical Journal</i> , <b>1996</b> , 463, L67-L70	4.7	38
24	Cepheids in the Magellanic Clouds. <i>International Astronomical Union Colloquium</i> , <b>1995</b> , 155, 232-240		
23	Variable Stars in the MACHO Collaboration1 Database. <i>International Astronomical Union Colloquium</i> , <b>1995</b> , 155, 221-231		7
22	Experimental limits on the dark matter halo of the galaxy from gravitational microlensing. <i>Physical Review Letters</i> , <b>1995</b> , 74, 2867-2871	7.4	120
21	Experimental limits on any long range nongravitational interaction between dark matter and ordinary matter. <i>Physical Review Letters</i> , <b>1993</b> , 70, 119-122	7.4	35
20	32-megapixel dual-color CCD imaging system <b>1993</b> , 1900, 192		24
19	Low noise front end electronics for dilution refrigerator experiments. <i>Journal of Low Temperature Physics</i> , <b>1993</b> , 93, 755-760	1.3	3
18	Possible gravitational microlensing of a star in the Large Magellanic Cloud. <i>Nature</i> , <b>1993</b> , 365, 621-623	50.4	570
17	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> , <b>1992</b> , 69, 3531-3534	7.4	58
16	Measurement of ionization and phonon production by nuclear recoils in a 60 g crystal of germanium at 25 mK. <i>Physical Review Letters</i> , <b>1992</b> , 69, 3425-3427	7.4	87
15	. <i>IEEE Transactions on Nuclear Science</i> , <b>1992</b> , 39, 1237-1241	1.7	
14	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> , <b>1991</b> , 2, 283-300	4.2	173
13	Does antimatter fall with the same acceleration as ordinary matter?. <i>Physical Review Letters</i> , <b>1991</b> , 66, 850-853	7.4	36
12	. <i>IEEE Transactions on Nuclear Science</i> , <b>1991</b> , 38, 226-230	1.7	8
11	Gravitational microlensing as a method of detecting disk dark matter and faint disk stars. <i>Astrophysical Journal</i> , <b>1991</b> , 372, L79	4.7	80
10	Testing the equivalence principle in the field of the Earth: Particle physics at masses below 1 microeV?. <i>Physical Review D</i> , <b>1990</b> , 42, 3267-3292	4.9	96
9	Experimental bounds on interactions mediated by ultralow-mass bosons. <i>Physical Review Letters</i> , <b>1989</b> , 63, 2705-2708	7.4	51
8	Limits on composition-dependent interactions using a laboratory source: Is there a "fifth force" coupled to isospin?. <i>Physical Review Letters</i> , <b>1989</b> , 62, 609-612	7.4	43

7	Comment on "A new approach to the question of the fifth force" <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>1988</b> , 132, 91-92	2.3	1
6	Shielding the "fifth force"? <i>Physical Review Letters</i> , <b>1988</b> , 61, 2152	7.4	4
5	Constraints on proposed spin-0 and spin-1 partners of the graviton. <i>Physical Review Letters</i> , <b>1988</b> , 61, 2409-2411	7.4	7
4	Search for an intermediate-range interaction. <i>Physical Review Letters</i> , <b>1987</b> , 58, 1070-1073	7.4	103
3	New constraints on composition-dependent interactions weaker than gravity. <i>Physical Review Letters</i> , <b>1987</b> , 59, 849-852	7.4	83
2	Spectral Discrimination in "Color Blind" Animals via Chromatic Aberration and Pupil Shape		1
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