

Jay Anderson

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.

146
papers

12,224
citations

61
h-index

108
g-index

152
ext. papers

13,345
ext. citations

5.1
avg, IF

6.07
L-index

#	Paper	IF	Citations
146	The HST Large Program on ζ Centauri. V. Exploring the Ultracool Dwarf Population with Stellar Atmosphere and Evolutionary Modeling. <i>Astrophysical Journal</i> , 2022 , 930, 24	4.7	0
145	Radial Velocity Monitoring of the Young Star Hubble 4: Disentangling Star-spot Lifetimes from Orbital Motion*. <i>Astrophysical Journal</i> , 2021 , 910, 33	4.7	1
144	The Star Formation History of Eridanus II: On the Role of Supernova Feedback in the Quenching of Ultrafaint Dwarf Galaxies*. <i>Astrophysical Journal</i> , 2021 , 909, 192	4.7	10
143	The HST large programme on ζ Centauri IV. Catalogue of two external fields. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 505, 3549-3561	4.3	2
142	A Comprehensive Astrometric Calibration of HST's WFPC2. I. Distortion Mapping. <i>Publications of the Astronomical Society of the Pacific</i> , 2021 , 133, 064505	5	1
141	A Kinematic View of NGC 1261: Structural Parameters, Internal Dispersion, Absolute Proper Motion, and Blue Straggler Stars. <i>Astrophysical Journal</i> , 2020 , 895, 15	4.7	11
140	The Hubble Space Telescope UV Legacy Survey of Galactic Globular Clusters. XX. Ages of Single and Multiple Stellar Populations in Seven Bulge Globular Clusters. <i>Astrophysical Journal</i> , 2020 , 891, 37	4.7	14
139	The Hubble Space Telescope UV Legacy Survey of Galactic globular clusters LXXI. Binaries among multiple stellar populations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 492, 5457-5469	4.3	6
138	Comparing Observed Stellar Kinematics and Surface Densities in a Low-latitude Bulge Field to Galactic Population Synthesis Models. <i>Astrophysical Journal</i> , 2020 , 889, 126	4.7	1
137	2D kinematics of massive stars near the Galactic Centre. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 500, 3213-3239	4.3	6
136	The Proper-motion Field along the Magellanic Bridge: A New Probe of the LMCBMC Interaction. <i>Astrophysical Journal</i> , 2019 , 874, 78	4.7	27
135	The Quintuplet Cluster: Extended Structure and Tidal Radius. <i>Astrophysical Journal</i> , 2019 , 877, 37	4.7	12
134	Stellar Proper Motions in the Orion Nebula Cluster. <i>Astronomical Journal</i> , 2019 , 157, 109	4.9	21
133	A Multimass Velocity Dispersion Model of 47 Tucanae Indicates No Evidence for an Intermediate-mass Black Hole. <i>Astrophysical Journal</i> , 2019 , 875, 1	4.7	69
132	The Hubble Space Telescope UV Legacy Survey of Galactic Globular Clusters. XVIII. Proper-motion Kinematics of Multiple Stellar Populations in the Core Regions of NGC 6352. <i>Astrophysical Journal</i> , 2019 , 873, 109	4.7	23
131	The HST Large Programme on NGC 6752 III. Multiple populations at the bottom of the main sequence probed in NIR. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 484, 4046-4053	4.3	13
130	HALO7D II: The Halo Velocity Ellipsoid and Velocity Anisotropy with Distant Main-sequence Stars. <i>Astrophysical Journal</i> , 2019 , 879, 120	4.7	9

129	Spectral Energy Distribution of Blue Stragglers in the Core of 47 Tucanae. <i>Astrophysical Journal</i> , 2019 , 879, 56	4.7	8
128	The HST large programme on NGC 6752 III. Detection of the peak of the white dwarf luminosity function. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 488, 3857-3865	4.3	2
127	The Hubble Space Telescope UV Legacy Survey of Galactic Globular Clusters XIX. A chemical tagging of the multiple stellar populations over the chromosome maps. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 487, 3815-3844	4.3	55
126	Astrometry with the Wide-Field Infrared Space Telescope. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2019 , 5, 1	1.1	7
125	Imprints of evolution on the internal kinematics of Globular Clusters. <i>Proceedings of the International Astronomical Union</i> , 2019 , 14, 544-548	0.1	
124	The Unusual Initial Mass Function of the Arches Cluster. <i>Astrophysical Journal</i> , 2019 , 870, 44	4.7	36
123	The HST Large Programme on Centauri. III. Absolute Proper Motion. <i>Astrophysical Journal</i> , 2018 , 854, 45	4.7	20
122	New cataclysmic variables and other exotic binaries in the globular cluster 47 Tucanae*. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 475, 4841-4867	4.3	24
121	The HST Large Programme on Centauri. II. Internal Kinematics. <i>Astrophysical Journal</i> , 2018 , 853, 86	4.7	59
120	The Optical/Near-infrared Extinction Law in Highly Reddened Regions. <i>Astrophysical Journal</i> , 2018 , 855, 13	4.7	20
119	New Parallaxes of Galactic Cepheids from Spatially Scanning the Hubble Space Telescope: Implications for the Hubble Constant. <i>Astrophysical Journal</i> , 2018 , 855, 136	4.7	280
118	Hubble Space Telescope Proper Motion (HSTPROMO) Catalogs of Galactic Globular Cluster. VI. Improved Data Reduction and Internal-kinematic Analysis of NGC 362. <i>Astrophysical Journal</i> , 2018 , 861, 99	4.7	43
117	The Hubble Space Telescope UV Legacy Survey of Galactic Globular Clusters. XV. The Dynamical Clock: Reading Cluster Dynamical Evolution from the Segregation Level of Blue Straggler Stars. <i>Astrophysical Journal</i> , 2018 , 860, 36	4.7	35
116	The Hubble Space Telescope UV Legacy Survey of Galactic globular clusters XIX. Multiple stellar populations within M 15 and their radial distribution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 477, 2004-2019	4.3	20
115	The Proper Motion Field of the Small Magellanic Cloud: Kinematic Evidence for Its Tidal Disruption. <i>Astrophysical Journal</i> , 2018 , 864, 55	4.7	44
114	A Search for Black Hole Microlensing Signatures in Globular Cluster NGC 6656 (M22). <i>Astrophysical Journal</i> , 2018 , 867, 37	4.7	4
113	The Hubble Space Telescope UV Legacy Survey of Galactic Globular Clusters XVII. Public Catalogue Release. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 481, 3382-3393	4.3	69
112	The Hubble Space Telescope UV legacy survey of galactic globular clusters XVI. The helium abundance of multiple populations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 481, 5098-5122	4.3	103

111	WFIRST Exoplanet Mass-measurement Method Finds a Planetary Mass of $39 \pm 8 M_{\oplus}$ for OGLE-2012-BLG-0950Lb. <i>Astronomical Journal</i> , 2018 , 156, 289	4.9	40
110	The WFC3 Galactic Bulge Treasury Program: Relative Ages of Bulge Stars of High and Low Metallicity. <i>Astrophysical Journal</i> , 2018 , 863, 16	4.7	29
109	The Hubble Space Telescope UV Legacy Survey of Galactic Globular Clusters [XII]. The RGB bumps of multiple stellar populations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 475, 4088-4103	4.3	37
108	Multiple stellar populations in Magellanic Cloud clusters [VI]. A survey of multiple sequences and Be stars in young clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 477, 2640-2663	4.3	58
107	Relativistic deflection of background starlight measures the mass of a nearby white dwarf star. <i>Science</i> , 2017 , 356, 1046-1050	33.3	75
106	The State-of-the-art HST Astro-photometric Analysis of the Core of ω Centauri. I. The Catalog. <i>Astrophysical Journal</i> , 2017 , 842, 6	4.7	57
105	The State-of-the-art HST Astro-photometric Analysis of the Core of ω Centauri. II. Differential-reddening Map. <i>Astrophysical Journal</i> , 2017 , 842, 7	4.7	16
104	Identification of Faint Chandra X-Ray Sources in the Core-collapsed Globular Cluster NGC 6752. <i>Astrophysical Journal</i> , 2017 , 841, 53	4.7	10
103	THE HUBBLE SPACE TELESCOPE UV LEGACY SURVEY OF GALACTIC GLOBULAR CLUSTERS. VIII. PRELIMINARY PUBLIC CATALOG RELEASE. <i>Astronomical Journal</i> , 2017 , 153, 19	4.9	32
102	The HST large programme on ω Centauri II. Multiple stellar populations at the bottom of the main sequence probed in NIR optical. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 469, 800-812	4.3	31
101	The State-of-the-art HST Astro-photometric Analysis of the Core of ω Centauri. III. The Main Sequence's Multiple Populations Galore. <i>Astrophysical Journal</i> , 2017 , 844, 164	4.7	31
100	Hubble Space Telescope Proper Motion (HSTPROMO) Catalogs of Galactic Globular Clusters. V. The Rapid Rotation of 47 Tuc Traced and Modeled in Three Dimensions. <i>Astrophysical Journal</i> , 2017 , 844, 167	4.7	52
99	Micro-lensing Constraints on the Mass of Single Stars from HST Astrometric Measurements. <i>Astrophysical Journal</i> , 2017 , 843, 145	4.7	15
98	The ACS survey of Galactic globular clusters [XIV]. Bayesian single-population analysis of 69 globular clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 468, 1038-1055	4.3	31
97	The Hubble Space Telescope UV Legacy Survey of Galactic globular clusters [IX]. The Atlas of multiple stellar populations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 464, 3636-3656	4.3	257
96	The Star Blended with the MOA-2008-BLG-310 Source Is Not the Exoplanet Host Star. <i>Astronomical Journal</i> , 2017 , 154, 59	4.9	37
95	Deep HST Imaging in 47 Tucanae: A Global Dynamical Model. <i>Astrophysical Journal</i> , 2017 , 850, 186	4.7	17
94	HUBBLE SPACE TELESCOPE PROPER MOTION (HSTPROMO) CATALOGS OF GALACTIC GLOBULAR CLUSTERS. IV. KINEMATIC PROFILES AND AVERAGE MASSES OF BLUE STRAGGLER STARS. <i>Astrophysical Journal</i> , 2016 , 827, 12	4.7	24

93	THE FIRST CIRCUMBINARY PLANET FOUND BY MICROLENSING: OGLE-2007-BLG-349L(AB)c. <i>Astronomical Journal</i> , 2016 , 152, 125	4.9	75
92	Hubble Tarantula Treasury Project IV. The extinction law. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 455, 4373-4387	4.3	33
91	PARALLAX OF GALACTIC CEPHEIDS FROM SPATIALLY SCANNING THE WIDE FIELD CAMERA 3 ON THE HUBBLE SPACE TELESCOPE: THE CASE OF SS CANIS MAJORIS. <i>Astrophysical Journal</i> , 2016 , 825, 11	4.7	35
90	THE HUBBLE SPACE TELESCOPE UV LEGACY SURVEY OF GALACTIC GLOBULAR CLUSTERS. VII. IMPLICATIONS FROM THE NEARLY UNIVERSAL NATURE OF HORIZONTAL BRANCH DISCONTINUITIES. <i>Astrophysical Journal</i> , 2016 , 822, 44	4.7	32
89	HUBBLE TARANTULA TREASURY PROJECT. III. PHOTOMETRIC CATALOG AND RESULTING CONSTRAINTS ON THE PROGRESSION OF STAR FORMATION IN THE 30 DORADUS REGION. <i>Astrophysical Journal, Supplement Series</i> , 2016 , 222, 11	8	51
88	HUBBLE SPACE TELESCOPE PROPER MOTIONS OF INDIVIDUAL STARS IN STELLAR STREAMS: ORPHAN, SAGITTARIUS, LETHE, AND THE NEW PARALLEL STREAM. <i>Astrophysical Journal</i> , 2016 , 833, 235	4.7	15
87	CONFIRMATION OF THE PLANETARY MICROLENSING SIGNAL AND STAR AND PLANET MASS DETERMINATIONS FOR EVENT OGLE-2005-BLG-169. <i>Astrophysical Journal</i> , 2015 , 808, 169	4.7	108
86	The Hubble Space Telescope UV Legacy Survey of galactic globular clusters III. The seven stellar populations of NGC 7089 (M2)? <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 447, 927-938	4.3	94
85	HUBBLE SPACE TELESCOPE PROPER MOTIONS ALONG THE SAGITTARIUS STREAM. I. OBSERVATIONS AND RESULTS FOR STARS IN FOUR FIELDS. <i>Astrophysical Journal</i> , 2015 , 803, 56	4.7	29
84	HUBBLE SPACE TELESCOPE PROPER MOTION (HSTPROMO) CATALOGS OF GALACTIC GLOBULAR CLUSTERS. II. KINEMATIC PROFILES AND MAPS. <i>Astrophysical Journal</i> , 2015 , 803, 29	4.7	110
83	THE HUBBLE SPACE TELESCOPE UV LEGACY SURVEY OF GALACTIC GLOBULAR CLUSTERS. III. A QUINTUPLE STELLAR POPULATION IN NGC 2808. <i>Astrophysical Journal</i> , 2015 , 808, 51	4.7	132
82	THE HUBBLE SPACE TELESCOPE UV LEGACY SURVEY OF GALACTIC GLOBULAR CLUSTERS. I. OVERVIEW OF THE PROJECT AND DETECTION OF MULTIPLE STELLAR POPULATIONS. <i>Astronomical Journal</i> , 2015 , 149, 91	4.9	325
81	UV INSIGHTS INTO THE COMPLEX POPULATIONS OF M87 GLOBULAR CLUSTERS. <i>Astrophysical Journal</i> , 2015 , 805, 178	4.7	15
80	NEW INSIGHTS ON THE GALACTIC BULGE INITIAL MASS FUNCTION. <i>Astrophysical Journal</i> , 2015 , 810, 8	4.7	36
79	HUBBLE TARANTULA TREASURY PROJECT. II. THE STAR-FORMATION HISTORY OF THE STARBURST REGION NGC 2070 IN 30 DORADUS. <i>Astrophysical Journal</i> , 2015 , 811, 76	4.7	45
78	THE ARCHES CLUSTER: EXTENDED STRUCTURE AND TIDAL RADIUS. <i>Astrophysical Journal</i> , 2015 , 813, 27	4.7	20
77	HUBBLE SPACE TELESCOPE PROPER MOTION (HSTPROMO) CATALOGS OF GALACTIC GLOBULAR CLUSTERS. III. DYNAMICAL DISTANCES AND MASS-TO-LIGHT RATIOS. <i>Astrophysical Journal</i> , 2015 , 812, 149	4.7	62
76	The Hubble Space Telescope UV Legacy Survey of Galactic Globular Clusters IV. Helium content and relative age of multiple stellar populations within NGC 6352?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 451, 312-322	4.3	43

75	THE HUBBLE SPACE TELESCOPE UV LEGACY SURVEY OF GALACTIC GLOBULAR CLUSTERS: THE INTERNAL KINEMATICS OF THE MULTIPLE STELLAR POPULATIONS IN NGC 2808. <i>Astrophysical Journal Letters</i> , 2015 , 810, L13	7.9	58
74	Circumstellar discs in Galactic centre clusters: Disc-bearing B-type stars in the Quintuplet and Arches clusters. <i>Astronomy and Astrophysics</i> , 2015 , 578, A4	5.1	18
73	The Hubble Space Telescope UV Legacy Survey of Galactic Globular Clusters IV. Constraints on formation scenarios. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 454, 4197-4207	4.3	210
72	HUBBLE SPACE TELESCOPE PROPER MOTION (HSTPROMO) CATALOGS OF GALACTIC GLOBULAR CLUSTERS. I. SAMPLE SELECTION, DATA REDUCTION, AND NGC 7078 RESULTS. <i>Astrophysical Journal</i> , 2014 , 797, 115	4.7	122
71	MICROLENSING EVENTS BY PROXIMA CENTAURI IN 2014 AND 2016: OPPORTUNITIES FOR MASS DETERMINATION AND POSSIBLE PLANET DETECTION. <i>Astrophysical Journal</i> , 2014 , 782, 89	4.7	31
70	A Chandra look at the X-ray faint millisecond pulsars in the globular cluster NGC 6752. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 441, 757-768	4.3	26
69	FIRST DETECTION OF THE WHITE DWARF COOLING SEQUENCE OF THE GALACTIC BULGE. <i>Astrophysical Journal</i> , 2014 , 790, 164	4.7	22
68	PARALLAX BEYOND A KILOPARSEC FROM SPATIALLY SCANNING THE WIDE FIELD CAMERA 3 ON THE HUBBLE SPACE TELESCOPE. <i>Astrophysical Journal</i> , 2014 , 785, 161	4.7	67
67	The M4 Core Project with HST III. Multiple stellar populations at the bottom of the main sequence. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 439, 1588-1595	4.3	36
66	The M 4 Core Project with HST: I. Overview and first epoch. <i>Astronomische Nachrichten</i> , 2013 , 334, 1062-1085	4.3	10
65	A DYNAMICAL SIGNATURE OF MULTIPLE STELLAR POPULATIONS IN 47 TUCANAE. <i>Astrophysical Journal Letters</i> , 2013 , 771, L15	7.9	75
64	A DOUBLE WHITE-DWARF COOLING SEQUENCE IN ω CENTAURI. <i>Astrophysical Journal Letters</i> , 2013 , 769, L32	7.9	26
63	A DEEP CHANDRA X-RAY LIMIT ON THE PUTATIVE IMBH IN OMEGA CENTAURI. <i>Astrophysical Journal Letters</i> , 2013 , 773, L31	7.9	28
62	HUBBLE SPACE TELESCOPE ABSOLUTE PROPER MOTIONS OF NGC 6681 (M70) AND THE SAGITTARIUS DWARF SPHEROIDAL GALAXY. <i>Astrophysical Journal</i> , 2013 , 779, 81	4.7	54
61	A WFC3/HST VIEW OF THE THREE STELLAR POPULATIONS IN THE GLOBULAR CLUSTER NGC 6752. <i>Astrophysical Journal</i> , 2013 , 767, 120	4.7	133
60	THIRD-EPOCH MAGELLANIC CLOUD PROPER MOTIONS. I. HUBBLE SPACE TELESCOPE/WFC3 DATA AND ORBIT IMPLICATIONS. <i>Astrophysical Journal</i> , 2013 , 764, 161	4.7	322
59	THE INTRIGUING STELLAR POPULATIONS IN THE GLOBULAR CLUSTERS NGC 6388 AND NGC 6441. <i>Astrophysical Journal</i> , 2013 , 765, 32	4.7	57
58	HST/ACS IMAGING OF OMEGA CENTAURI: OPTICAL COUNTERPARTS OF CHANDRA X-RAY SOURCES. <i>Astrophysical Journal</i> , 2013 , 763, 126	4.7	19

57	HUBBLE SPACE TELESCOPE REVEALS MULTIPLE SUB-GIANT BRANCH IN EIGHT GLOBULAR CLUSTERS. <i>Astrophysical Journal</i> , 2012 , 760, 39	4.7	122
56	THE C+N+O ABUNDANCE OF Ω CENTAURI GIANT STARS: IMPLICATIONS FOR THE CHEMICAL-ENRICHMENT SCENARIO AND THE RELATIVE AGES OF DIFFERENT STELLAR POPULATIONS. <i>Astrophysical Journal</i> , 2012 , 746, 14	4.7	74
55	THE M31 VELOCITY VECTOR. I. HUBBLE SPACE TELESCOPE PROPER-MOTION MEASUREMENTS. <i>Astrophysical Journal</i> , 2012 , 753, 7	4.7	88
54	A DEEP, WIDE-FIELD, AND PANCHROMATIC VIEW OF 47 Tuc AND THE SMC WITH HST: OBSERVATIONS AND DATA ANALYSIS METHODS. <i>Astronomical Journal</i> , 2012 , 143, 11	4.9	36
53	THE SPECTRAL ENERGY DISTRIBUTIONS OF WHITE DWARFS IN 47 Tucanae: THE DISTANCE TO THE CLUSTER. <i>Astronomical Journal</i> , 2012 , 143, 50	4.9	46
52	HUBBLE SPACE TELESCOPE OBSERVATIONS OF AN OUTER FIELD IN OMEGA CENTAURI: A DEFINITIVE HELIUM ABUNDANCE. <i>Astronomical Journal</i> , 2012 , 144, 5	4.9	61
51	The ACS survey of Galactic globular clusters. <i>Astronomy and Astrophysics</i> , 2012 , 540, A16	5.1	300
50	DEEP HUBBLE SPACE TELESCOPE IMAGING IN NGC 6397: STELLAR DYNAMICS. <i>Astrophysical Journal</i> , 2012 , 761, 51	4.7	27
49	MULTIPLE STELLAR POPULATIONS IN 47 Tucanae. <i>Astrophysical Journal</i> , 2012 , 744, 58	4.7	213
48	Astrometry and Photometry with HST WFC3. II. Improved Geometric-Distortion Corrections for 10 Filters of the UVIS Channel 1. <i>Publications of the Astronomical Society of the Pacific</i> , 2011 , 123, 622-637	5	125
47	SODIUM-OXYGEN ANTICORRELATION AND NEUTRON-CAPTURE ELEMENTS IN OMEGA CENTAURI STELLAR POPULATIONS. <i>Astrophysical Journal</i> , 2011 , 731, 64	4.7	121
46	THE FIRST DETECTION OF BLUE STRAGGLER STARS IN THE MILKY WAY BULGE. <i>Astrophysical Journal</i> , 2011 , 735, 37	4.7	98
45	NEW LIMITS ON AN INTERMEDIATE-MASS BLACK HOLE IN OMEGA CENTAURI. II. DYNAMICAL MODELS. <i>Astrophysical Journal</i> , 2010 , 710, 1063-1088	4.7	152
44	Absolute proper motion of the Galactic open cluster M67. <i>Astronomy and Astrophysics</i> , 2010 , 513, A51	5.1	29
43	THE ACS SURVEY OF GALACTIC GLOBULAR CLUSTERS. VIII. EFFECTS OF ENVIRONMENT ON GLOBULAR CLUSTER GLOBAL MASS FUNCTIONS. <i>Astronomical Journal</i> , 2010 , 139, 476-491	4.9	81
42	THE ACS SURVEY OF GALACTIC GLOBULAR CLUSTERS. X. NEW DETERMINATIONS OF CENTERS FOR 65 CLUSTERS. <i>Astronomical Journal</i> , 2010 , 140, 1830-1837	4.9	96
41	An Empirical Pixel-Based Correction for Imperfect CTE. I. HST's Advanced Camera for Surveys 1. <i>Publications of the Astronomical Society of the Pacific</i> , 2010 , 122, 1035-1064	5	177
40	THE WFC3 GALACTIC BULGE TREASURY PROGRAM: METALLICITY ESTIMATES FOR THE STELLAR POPULATION AND EXOPLANET HOSTS. <i>Astrophysical Journal Letters</i> , 2010 , 725, L19-L23	7.9	63

39	IDENTIFICATION OF FAINT CHANDRA X-RAY SOURCES IN THE CORE-COLLAPSED GLOBULAR CLUSTER NGC 6397: EVIDENCE FOR A BIMODAL CATAclysmic VARIABLE POPULATION. <i>Astrophysical Journal</i> , 2010 , 722, 20-32	4.7	44
38	A GALACTIC ORIGIN FOR HE 0437B439, THE HYPERVELOCITY STAR NEAR THE LARGE MAGELLANIC CLOUD. <i>Astrophysical Journal Letters</i> , 2010 , 719, L23-L27	7.9	31
37	NEW LIMITS ON AN INTERMEDIATE-MASS BLACK HOLE IN OMEGA CENTAURI. I. HUBBLE SPACE TELESCOPE PHOTOMETRY AND PROPER MOTIONS. <i>Astrophysical Journal</i> , 2010 , 710, 1032-1062	4.7	164
36	IMPROVING GALACTIC CENTER ASTROMETRY BY REDUCING THE EFFECTS OF GEOMETRIC DISTORTION. <i>Astrophysical Journal</i> , 2010 , 725, 331-352	4.7	173
35	THE ACS SURVEY OF GALACTIC GLOBULAR CLUSTERS. IX. HORIZONTAL BRANCH MORPHOLOGY AND THE SECOND PARAMETER PHENOMENON. <i>Astrophysical Journal</i> , 2010 , 708, 698-716	4.7	331
34	OGLE-2005-BLG-071Lb, THE MOST MASSIVE M DWARF PLANETARY COMPANION?. <i>Astrophysical Journal</i> , 2009 , 695, 970-987	4.7	133
33	Ground-based CCD astrometry with wide field imagers. <i>Astronomy and Astrophysics</i> , 2009 , 493, 959-978	5.1	84
32	Radial distribution of the multiple stellar populations in Ω Centauri. <i>Astronomy and Astrophysics</i> , 2009 , 507, 1393-1408	5.1	87
31	THE WFC3 GALACTIC BULGE TREASURY PROGRAM: A FIRST LOOK AT RESOLVED STELLAR POPULATION TOOLS. <i>Astronomical Journal</i> , 2009 , 137, 3172-3180	4.9	19
30	THE END OF THE WHITE DWARF COOLING SEQUENCE IN M4: AN EFFICIENT APPROACH. <i>Astrophysical Journal</i> , 2009 , 697, 965-979	4.7	66
29	HOT HORIZONTAL BRANCH STARS IN Ω CENTAURI: CLUES ABOUT THEIR ORIGIN FROM THE CLUSTER COLOR MAGNITUDE DIAGRAM. <i>Astrophysical Journal</i> , 2009 , 702, 1530-1535	4.7	31
28	THE ACS SURVEY OF GALACTIC GLOBULAR CLUSTERS. VII. RELATIVE AGES. <i>Astrophysical Journal</i> , 2009 , 694, 1498-1516	4.7	363
27	Using Resolved Galaxies in Hubble Space Telescope Images to Measure Absolute Proper Motions. <i>Publications of the Astronomical Society of the Pacific</i> , 2008 , 120, 907-921	5	15
26	The Double Subgiant Branch of NGC 1851: The Role of the CNO Abundance. <i>Astrophysical Journal</i> , 2008 , 672, L115-L118	4.7	128
25	THE ACS SURVEY OF GLOBULAR CLUSTERS. V. GENERATING A COMPREHENSIVE STAR CATALOG FOR EACH CLUSTER. <i>Astronomical Journal</i> , 2008 , 135, 2055-2073	4.9	286
24	Reaching the End of the White Dwarf Cooling Sequence in NGC 6791. <i>Astrophysical Journal</i> , 2008 , 678, 1279-1291	4.7	70
23	DEEP ADVANCED CAMERA FOR SURVEYS IMAGING IN THE GLOBULAR CLUSTER NGC 6397: REDUCTION METHODS. <i>Astronomical Journal</i> , 2008 , 135, 2114-2128	4.9	53
22	Stellar Proper Motions in the Galactic Bulge from Deep Hubble Space Telescope ACS WFC Photometry. <i>Astrophysical Journal</i> , 2008 , 684, 1110-1142	4.7	140

21	The ACS Survey of Galactic Globular Clusters. III. The Double Subgiant Branch of NGC 1851. <i>Astrophysical Journal</i> , 2008 , 673, 241-250	4.7	228
20	A Triple Main Sequence in the Globular Cluster NGC 2808. <i>Astrophysical Journal</i> , 2007 , 661, L53-L56	4.7	544
19	The ACS Survey of Galactic Globular Clusters. I. Overview and Clusters without Previous Hubble Space Telescope Photometry. <i>Astronomical Journal</i> , 2007 , 133, 1658-1672	4.9	378
18	The Multiplicity of the Subgiant Branch of ω Centauri: Evidence for Prolonged Star Formation. <i>Astrophysical Journal</i> , 2007 , 663, 296-314	4.7	156
17	Characterization of Gravitational Microlensing Planetary Host Stars. <i>Astrophysical Journal</i> , 2007 , 660, 781-790	4.7	85
16	Probing the faintest stars in a globular star cluster. <i>Science</i> , 2006 , 313, 936-40	33.3	55
15	Ground-based CCD astrometry with wide field imagers. <i>Astronomy and Astrophysics</i> , 2006 , 454, 1029-1045	5.1	108
14	The absolute motion of the peculiar cluster NGC 6791. <i>Astronomy and Astrophysics</i> , 2006 , 460, L27-L30	5.1	42
13	Identification of the OGLE-2003-BLG-235/MOA-2003-BLG-53 Planetary Host Star. <i>Astrophysical Journal</i> , 2006 , 647, L171-L174	4.7	106
12	Absolute motions of globular clusters. <i>Astronomy and Astrophysics</i> , 2006 , 456, 517-522	5.1	32
11	Microlens OGLE-2005-BLG-169 Implies That Cool Neptune-like Planets Are Common. <i>Astrophysical Journal</i> , 2006 , 644, L37-L40	4.7	249
10	Hubble Space Telescope Proper Motions and Stellar Dynamics in the Core of the Globular Cluster 47 Tucanae. <i>Astrophysical Journal, Supplement Series</i> , 2006 , 166, 249-297	8	142
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8	Transforming observational data and theoretical isochrones into the ACS/WFC Vega-mag system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005 , 357, 1038-1048	4.3	140
7	Hubble Space Telescope Advanced Camera for Surveys Imaging of ω Centauri: Optical Counterpart for the Quiescent Low-Mass X-Ray Binary. <i>Astrophysical Journal</i> , 2004 , 613, 512-516	4.7	32
6	ω Centauri: The Population Puzzle Goes Deeper. <i>Astrophysical Journal</i> , 2004 , 605, L125-L128	4.7	445
5	The Rotation of the Globular Cluster 47 Tucanae in the Plane of the Sky. <i>Astronomical Journal</i> , 2003 , 126, 772-777	4.9	73
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1	Toward High-Precision Astrometry with WFPC2. I. Deriving an Accurate Point-Spread Function. <i>Publications of the Astronomical Society of the Pacific</i> , 2000 , 112, 1360-1382	5	190