

Laura L Watkins

List of Publications by Year in descending order

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39
papers

6,309
citations

236925

25
h-index

330143

37
g-index

39
all docs

39
docs citations

39
times ranked

9123
citing authors

#	ARTICLE	IF	CITATIONS
1	The Astropy Project: Building an Open-science Project and Status of the v2.0 Core Package [*] . <i>Astronomical Journal</i> , 2018, 156, 123.	4.7	4,142
2	The masses of the Milky Way and Andromeda galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 406, 264-278.	4.4	288
3	Substructure revealed by RR Lyraes in SDSS Stripe 82. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 398, 1757-1770.	4.4	221
4	<i>HUBBLE SPACE TELESCOPE</i> PROPER MOTION (HSTPROMO) CATALOGS OF GALACTIC GLOBULAR CLUSTERS. I. SAMPLE SELECTION, DATA REDUCTION, AND NGC 7078 RESULTS. <i>Astrophysical Journal</i> , 2014, 797, 115.	4.5	142
5	Light and motion in SDSS Stripe 82: the catalogues. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 386, 887-902.	4.4	131
6	<i>HUBBLE SPACE TELESCOPE</i> PROPER MOTION (HSTPROMO) CATALOGS OF GALACTIC GLOBULAR CLUSTERS. II. KINEMATIC PROFILES AND MAPS. <i>Astrophysical Journal</i> , 2015, 803, 29.	4.5	121
7	Evidence for an Intermediate-mass Milky Way from <i>Gaia</i> DR2 Halo Globular Cluster Motions. <i>Astrophysical Journal</i> , 2019, 873, 118.	4.5	114
8	Hunting for the Dark Matter Wake Induced by the Large Magellanic Cloud. <i>Astrophysical Journal</i> , 2019, 884, 51.	4.5	111
9	The internal rotation of globular clusters revealed by <i>Gaia</i> DR2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 2125-2139.	4.4	88
10	First <i>Gaia</i> Dynamics of the Andromeda System: DR2 Proper Motions, Orbits, and Rotation of M31 and M33. <i>Astrophysical Journal</i> , 2019, 872, 24.	4.5	77
11	<i>HUBBLE SPACE TELESCOPE</i> PROPER MOTION (HSTPROMO) CATALOGS OF GALACTIC GLOBULAR CLUSTERS. III. DYNAMICAL DISTANCES AND MASS-TO-LIGHT RATIOS. <i>Astrophysical Journal</i> , 2015, 812, 149.	4.5	68
12	Absolute Hubble Space Telescope Proper Motion (HSTPROMO) of Distant Milky Way Globular Clusters: Galactocentric Space Velocities and the Milky Way Mass. <i>Astrophysical Journal</i> , 2018, 862, 52.	4.5	68
13	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.	4.5	60
14	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.	4.5	58
15	Discrete dynamical models of \hat{A} Centauri. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 2598-2615.	4.4	57
16	Globular cluster number density profiles using <i>Gaia</i> DR2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 4906-4935.	4.4	57
17	A discrete chemo-dynamical model of the dwarf spheroidal galaxy Sculptor: mass profile, velocity anisotropy and internal rotation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 1117-1135.	4.4	47
18	A Deep View into the Nucleus of the Sagittarius Dwarf Spheroidal Galaxy with MUSE. I. Data and Stellar Population Characterization. <i>Astrophysical Journal</i> , 2019, 886, 57.	4.5	47

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19	On the Origin of Sub-subgiant Stars. I. Demographics. <i>Astrophysical Journal</i> , 2017, 840, 66.	4.5	45
20	The tilt of the velocity ellipsoid in the Milky Way disc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 956-968.	4.4	38
21	A census of orbital properties of the M31 satellites. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 430, 971-985.	4.4	27
22	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.	4.5	27
23	A discrete chemo-dynamical model of the giant elliptical galaxy NGC 5846: dark matter fraction, internal rotation, and velocity anisotropy out to six effective radii. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 4001-4017.	4.4	27
24	Mass modelling globular clusters in the <i>Gaia</i> era: a method comparison using mock data from an <i>N</i> -body simulation of $M \approx 4$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 1400-1425.	4.4	26
25	The HST Large Programme on ω Centauri. III. Absolute Proper Motion. <i>Astrophysical Journal</i> , 2018, 854, 45.	4.5	25
26	Disentangling the formation history of galaxies via population-orbit superposition: method validation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 1579-1597.	4.4	24
27	Tycho-Gaia Astrometric Solution Parallaxes and Proper Motions for Five Galactic Globular Clusters. <i>Astrophysical Journal</i> , 2017, 839, 89.	4.5	23
28	A Deep View into the Nucleus of the Sagittarius Dwarf Spheroidal Galaxy with MUSE. II. Kinematic Characterization of the Stellar Populations. <i>Astrophysical Journal</i> , 2020, 892, 20.	4.5	22
29	Breaking beta: a comparison of mass modelling methods for spherical systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 501, 978-993.	4.4	20
30	Faint objects in motion: the new frontier of high precision astrometry. <i>Experimental Astronomy</i> , 2021, 51, 845-886.	3.7	17
31	HST Astrometry in the 30 Doradus Region. II. Runaway Stars from New Proper Motions in the Large Magellanic Cloud. <i>Astronomical Journal</i> , 2018, 156, 98.	4.7	16
32	Internal rotation of Milky Way dwarf spheroidal satellites with <i>Gaia</i> Early Data Release 3. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 5884-5895.	4.4	16
33	The peculiar kinematics of the multiple populations in the globular cluster Messier 80 (NGC 6093). <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 966-977.	4.4	14
34	THE EFFECT OF UNRESOLVED BINARIES ON GLOBULAR CLUSTER PROPER-MOTION DISPERSION PROFILES. <i>Astrophysical Journal Letters</i> , 2016, 820, L22.	8.3	13
35	Hunting for intermediate-mass black holes in globular clusters: an astrometric study of NGC 6441. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 1490-1506.	4.4	12
36	GaiaHub: A Method for Combining Data from the Gaia and Hubble Space Telescopes to Derive Improved Proper Motions for Faint Stars. <i>Astrophysical Journal</i> , 2022, 933, 76.	4.5	11

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37	LBT/MODS spectroscopy of globular clusters in the irregular galaxy NGC 4449. Monthly Notices of the Royal Astronomical Society, 2018, 476, 1942-1967.	4.4	9
38	Imprints of evolution on the internal kinematics of Globular Clusters. Proceedings of the International Astronomical Union, 2019, 14, 544-548.	0.0	0
39	A deep view into the nucleus of the Sagittarius dwarf spheroidal galaxy: M54. Proceedings of the International Astronomical Union, 2019, 14, 47-50.	0.0	0