Heidi Jo Newberg

List of Publications by Year
in descending order

63 papers	19,785 citations	218677 26 h-index	144013 57 g-index
64 all docs	64 docs citations	64 times ranked	9447 citing authors

#	Article	IF	Citations
1	Estimate of the Mass and Radial Profile of the Orphanâ€“Chenab Stream's Dwarf-galaxy Progenitor Using MilkyWay@home. Astrophysical Journal, 2022, 926, 106.	4.5	2
2	The Local Stellar Halo is Not Dominated by a Single Radial Merger Event. Astrophysical Journal Letters, 2022, 932, L16.	8.3	15
3	60 Candidate High-velocity Stars Originating from the Sagittarius Dwarf Spheroidal Galaxy in Gaia EDR3. Astrophysical Journal Letters, 2022, 933, L13.	8.3	9
4	Mapping Milky Way Halo Substructure Using Stars in the Extended Blue Tail of the Horizontal Branch. Astrophysical Journal, 2021, 910, 102.	4.5	3
5	Dynamically produced moving groups in interacting simulations. Monthly Notices of the Royal Astronomical Society, 2021, 505, 2561-2574.	4.4	3
6	Element Abundance Analysis of the Metal-rich Stellar Halo and High-velocity Thick Disk in the Galaxy. Astrophysical Journal, 2021, 915, 9.	4.5	2
7	The Milky Wayâ€™s Shell Structure Reveals the Time of a Radial Collision. Astrophysical Journal, 2020, 902, 119.	4.5	27
8	Existence of the Metal-rich Stellar Halo and High-velocity Thick Disk in the Galaxy. Astrophysical Journal, 2020, 903, 131.	4.5	5
9	Exploring the Perturbed Milky Way Disk and the Substructures of the Outer Disk. Astrophysical Journal, 2020, 905, 6.	4.5	26
10	Two Substructures in the nearby Stellar Halo Found in Gaia and RAVE. Astrophysical Journal, 2020, 895, 23.	4.5	6
11	New Nearby Hypervelocity Stars and Their Spatial Distribution from Gaia DR2. Astrophysical Journal, Supplement Series, 2019, 244, 4.	7.7	20
12	The Substructures in the Local Stellar Halo from Gaia and LAMOST. Astrophysical Journal, 2019, 874, 74.	4.5	16
13	Streams and the Milky Way dark matter halo. Proceedings of the International Astronomical Union, 2019, 14, 75-82.	0.0	0
14	The Virgo Overdensity Explained. Astrophysical Journal, 2019, 886, 76.	4.5	20
15	An orbit fit to likely Hermus Stream stars. Monthly Notices of the Royal Astronomical Society, 2018, 477, 2419-2430.	4.4	3
16	The Origin of High-velocity Stars from Gaia and LAMOST. Astrophysical Journal Letters, 2018, 869, L31.	8.3	11
17	Fitting the Density Substructure of the Stellar Halo with MilkyWay@home. Astrophysical Journal, Supplement Series, 2018, 238, 17.	7.7	4
18	A Tangle of Stellar Streams in the North Galactic Cap. Astrophysical Journal Letters, 2018, 867, L1.	8.3	5

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19	The merger debris of dwarf galaxies in the local stellar halo. Proceedings of the International Astronomical Union, 2018, 14, 38-41.	0.0	0
20	Metallicity and Kinematics of the Galactic Halo from the LAMOST Sample Stars. Astrophysical Journal, 2018, 862, 163.	4.5	14
21	The High-velocity Stars in the Local Stellar Halo from Gaia and LAMOST. Astrophysical Journal, 2018, 863, 87.	4.5	19
22	The Stellar Metallicity Distribution of the Galactic Halo Based on SCUSS and SDSS Data. Astrophysical Journal, 2017, 841, 59.	4.5	21
23	A Map of the Local Velocity Substructure in the Milky Way Disk. Astrophysical Journal, 2017, 847, 123.	4.5	13
24	Mapping the Milky Way with LAMOST I: method and overview. Research in Astronomy and Astrophysics, 2017, 17, 096.	1.7	37
25	CHARACTERIZING THE SHARDS OF DISRUPTED MILKY WAY SATELLITES WITH LAMOST. Astrophysical Journal, 2016, 822, 16.	4.5	7
26	SELECTING M GIANTS WITH INFRARED PHOTOMETRY: DISTANCES, METALLICITIES, AND THE SAGITTARIUS STREAM. Astrophysical Journal, 2016, 823, 59.	4.5	30
27	The Vertical Displacement of the Milky Way Disk. Proceedings of the International Astronomical Union, 2016, 11, 13-15.	0.0	2
28	TESTING THE DARK MATTER CAUSTIC THEORY AGAINST OBSERVATIONS IN THE MILKY WAY. Astrophysical Journal, 2015, 811, 36.	4.5	9
29	RINGS AND RADIAL WAVES IN THE DISK OF THE MILKY WAY. Astrophysical Journal, 2015, 801, 105.	4.5	188
30	The first data release (DR1) of the LAMOST regular survey. Research in Astronomy and Astrophysics, 2015, 15, 1095-1124.	1.7	565
31	ESTIMATION OF DISTANCES TO STARS WITH STELLAR PARAMETERS FROM LAMOST. Astronomical Journal, 2015, 150, 4.	4.7	36
32	CENSUS OF BLUE STARS IN SDSS DR8. Astrophysical Journal, Supplement Series, 2014, 215, 24.	7.7	3
33	THE K GIANT STARS FROM THE LAMOST SURVEY DATA. I. IDENTIFICATION, METALLICITY, AND DISTANCE. Astrophysical Journal, 2014, 790, 110.	4.5	76
34	THE FIRST HYPERVELOCITY STAR FROM THE LAMOST SURVEY. Astrophysical Journal Letters, 2014, 785, L23.	8.3	55
35	SUBSTRUCTURE IN BULK VELOCITIES OF MILKY WAY DISK STARS. Astrophysical Journal Letters, 2013, 777, L5.	8.3	122
36	A SPATIAL CHARACTERIZATION OF THE SAGITTARIUS DWARF GALAXY TIDAL TAILS. Astronomical Journal, 2013, 145, 163.	4.7	16

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37	MilkyWay@home: Harnessing volunteer computers to constrain dark matter in the Milky Way. Proceedings of the International Astronomical Union, 2013, 9, 98-104.	0.0	2
38	Determining distances to stars statistically from photometry. Proceedings of the International Astronomical Union, 2012, 8, 74-81.	0.0	0
39	LAMOST Experiment for Galactic Understanding and Exploration (LEGUE) â€" The survey's science plan. Research in Astronomy and Astrophysics, 2012, 12, 735-754.	1.7	404
40	F TURNOFF DISTRIBUTION IN THE GALACTIC HALO USING GLOBULAR CLUSTERS AS PROXIES. Astrophysical Journal, 2011, 743, 187.	4.5	14
41	Evolving N-Body Simulations to Determine the Origin and Structure of the Milky Way Galaxy's Halo Using Volunteer Computing. , 2011, , .		2
42	THE ORBIT OF THE ORPHAN STREAM. Astrophysical Journal, 2010, 711, 32-49.	4.5	113
43	Validating Evolutionary Algorithms on Volunteer Computing Grids. Lecture Notes in Computer Science, 2010, , 29-41.	1.3	12
44	AN ORBIT FIT FOR THE GRILLMAIR DIONATOS COLD STELLAR STREAM. Astrophysical Journal, 2009, 697, 207-223.	4.5	60
45	DISCOVERY OF A NEW, POLAR-ORBITING DEBRIS STREAM IN THE MILKY WAY STELLAR HALO. Astrophysical Journal, 2009, 700, L61-L64.	4.5	117
46	SEGUE: A SPECTROSCOPIC SURVEY OF 240,000 STARS WITHg= 14-20. Astronomical Journal, 2009, 137, 4377-4399.	4.7	905
47	Robust Asynchronous Optimization for Volunteer Computing Grids. , 2009, , .		9
48	THE SEVENTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY. Astrophysical Journal, Supplement Series, 2009, 182, 543-558.	7.7	4,201
49	TRACING SAGITTARIUS STRUCTURE WITH SDSS AND SEGUE IMAGING AND SPECTROSCOPY. Astrophysical Journal, 2009, 700, 1282-1298.	4.5	102
50	The Sixth Data Release of the Sloan Digital Sky Survey. Astrophysical Journal, Supplement Series, 2008, 175, 297-313.	7.7	1,202
51	Maximum Likelihood Fitting of Tidal Streams with Application to the Sagittarius Dwarf Tidal Tails. Astrophysical Journal, 2008, 683, 750-766.	4.5	25
52	The Overdensity in Virgo, Sagittarius Debris, and the Asymmetric Spheroid. Astrophysical Journal, 2007, 668, 221-235.	4.5	97
53	Distributed and Generic Maximum Likelihood Evaluation. , 2007, , .		6
54	A Spectroscopic Study of the Ancient Milky Way: Fâ€•and Gâ€Type Stars in the Third Data Release of the Sloan Digital Sky Survey. Astrophysical Journal, 2006, 636, 804-820.	4.5	314

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55	The Milky Way's stellar halo - lumpy or triaxial?. Journal of Physics: Conference Series, 2006, 47, 195-204.	0.4	24
56	Detectability of weakly interacting massive particles in the Sagittarius dwarf tidal stream. Physical Review D, 2005, 71, .	4.7	108
57	The Second Data Release of the Sloan Digital Sky Survey. Astronomical Journal, 2004, 128, 502-512.	4.7	953
58	Sagittarius Tidal Debris 90 Kiloparsecs from the Galactic Center. Astrophysical Journal, 2003, 596, L191-L194.	4.5	162
59	A Lowâ€Łatitude Halo Stream around the Milky Way. Astrophysical Journal, 2003, 588, 824-841.	4.5	347
60	The Ghost of Sagittarius and Lumps in the Halo of the Milky Way. Astrophysical Journal, 2002, 569, 245-274.	4.5	633
61	The Sloan Digital Sky Survey: Technical Summary. Astronomical Journal, 2000, 120, 1579-1587.	4.7	8,099
62	Identification of Aâ€ɛolored Stars and Structure in the Halo of the Milky Way from Sloan Digital Sky Survey Commissioning Data. Astrophysical Journal, 2000, 540, 825-841.	4.5	308
63	The Discovery of a Field Methane Dwarf from Sloan Digital Sky Survey Commissioning Data. Astrophysical Journal, 1999, 522, L61-L64.	4.5	176