Santi Cassisi

List of Publications by Year in descending order

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61 papers	5,370 citations	117625 34 h-index	128289 60 g-index
62 all docs	62 docs citations	62 times ranked	3025 citing authors

#	Article	IF	Citations
1	A Large Stellar Evolution Database for Population Synthesis Studies. I. Scaled Solar Models and Isochrones. Astrophysical Journal, 2004, 612, 168-190.	4.5	1,084
2	A Large Stellar Evolution Database for Population Synthesis Studies. II. Stellar Models and Isochrones for an Î±â€enhanced Metal Distribution. Astrophysical Journal, 2006, 642, 797-812.	4.5	509
3	Centauri: The Population Puzzle Goes Deeper. Astrophysical Journal, 2004, 605, L125-L128.	4.5	460
4	Metallicities on the Double Main Sequence of Ï‰ Centauri Imply Large Helium Enhancement. Astrophysical Journal, 2005, 621, 777-784.	4.5	382
5	The Updated BaSTI Stellar Evolution Models and Isochrones. I. Solar-scaled Calculations. Astrophysical Journal, 2018, 856, 125.	4.5	189
6	Red Giant Branch Stars: The Theoretical Framework. Publications of the Astronomical Society of the Pacific, 2002, 114, 375-402.	3.1	155
7	Transforming observational data and theoretical isochrones into the ACS/WFC Vega-mag system. Monthly Notices of the Royal Astronomical Society, 2005, 357, 1038-1048.	4.4	146
8	The Initial Helium Content of Galactic Globular Cluster Stars from theRâ€Parameter: Comparison with the Cosmic Microwave Background Constraint. Astrophysical Journal, 2003, 588, 862-870.	4.5	132
9	A Large Stellar Evolution Database for Population Synthesis Studies. III. Inclusion of the Full Asymptotic Giant Branch Phase and Web Tools for Stellar Population Analyses. Astronomical Journal, 2007, 133, 468-478.	4.7	117
10	A LARGE STELLAR EVOLUTION DATABASE FOR POPULATION SYNTHESIS STUDIES. V. STELLAR MODELS AND ISOCHRONES WITH CNONa ABUNDANCE ANTICORRELATIONS. Astrophysical Journal, 2009, 697, 275-282.	4.5	110
11	THE ACS LCID PROJECT. V. THE STAR FORMATION HISTORY OF THE DWARF GALAXY LGS-3: CLUES TO COSMIC REIONIZATION AND FEEDBACK. Astrophysical Journal, 2011, 730, 14.	4.5	106
12	THE ACS LCID PROJECT: ON THE ORIGIN OF DWARF GALAXY TYPESâ€"A MANIFESTATION OF THE HALO ASSEMBLY BIAS?. Astrophysical Journal Letters, 2015, 811, L18.	8.3	96
13	The recurrent impact of the Sagittarius dwarf on the star formation history of the Milky Way. Nature Astronomy, 2020, 4, 965-973.	10.1	94
14	Color Transformations and Bolometric Corrections for Galactic Halo Stars: Î±â€Enhanced versus Scaledâ€Solar Results. Astrophysical Journal, 2004, 616, 498-505.	4.5	86
15	A LARGE STELLAR EVOLUTION DATABASE FOR POPULATION SYNTHESIS STUDIES. IV. INTEGRATED PROPERTIES AND SPECTRA. Astrophysical Journal, 2009, 690, 427-439.	4.5	78
16	THE ACS LCID PROJECT. I. SHORT-PERIOD VARIABLES IN THE ISOLATED DWARF SPHEROIDAL GALAXIES CETUS AND TUCANA. Astrophysical Journal, 2009, 699, 1742-1764.	4.5	75
17	Early formation and recent starburst activity in the nuclear disk of the Milky Way. Nature Astronomy, 2020, 4, 377-381.	10.1	75
18	Chemical element transport in stellar evolution models. Royal Society Open Science, 2017, 4, 170192.	2.4	71

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19	Updated BaSTI Stellar Evolution Models and Isochrones. II. Î±-enhanced Calculations. Astrophysical Journal, 2021, 908, 102.	4.5	70
20	FIRST EVIDENCE OF FULLY SPATIALLY MIXED FIRST AND SECOND GENERATIONS IN GLOBULAR CLUSTERS: THE CASE OF NGC 6362. Astrophysical Journal Letters, 2014, 791, L4.	8.3	66
21	The ISLAndS Project. II. The Lifetime Star Formation Histories of Six Andromeda dSphs*. Astrophysical Journal, 2017, 837, 102.	4.5	65
22	Metalâ€rich RR Lyrae Variables. II. The Pulsational Scenario. Astrophysical Journal, 1997, 483, 811-825.	4.5	64
23	THE ACS LCID PROJECT. X. THE STAR FORMATION HISTORY OF IC 1613: REVISITING THE OVER-COOLING PROBLEM. Astrophysical Journal, 2014, 786, 44.	4.5	64
24	The BaSTI Stellar Evolution Database: models for extremely metal-poor and super-metal-rich stellar populations. Astronomy and Astrophysics, 2013, 558, A46.	5.1	60
25	THE ACS LCID PROJECT. IX. IMPRINTS OF THE EARLY UNIVERSE IN THE RADIAL VARIATION OF THE STAR FORMATION HISTORY OF DWARF GALAXIES. Astrophysical Journal, 2013, 778, 103.	4.5	59
26	THE RR LYRAE VARIABLES AND HORIZONTAL BRANCH OF NGC 6656 (M22)[,]. Astronomical Journal, 2013, 146, 119.	4.7	59
27	Post first dredge-up [C/N] ratio as age indicator. Theoretical calibration. Astronomy and Astrophysics, 2015, 583, A87.	5.1	55
28	THE ACS LCID PROJECT. II. FAINT VARIABLE STARS IN THE ISOLATED DWARF IRREGULAR GALAXY IC 1613. Astrophysical Journal, 2010, 712, 1259-1276.	4.5	53
29	The ACS LCID Project: RR Lyrae Stars as Tracers of Old Population Gradients in the Isolated Dwarf Spheroidal Galaxy Tucana. Astrophysical Journal, 2008, 678, L21-L24.	4.5	45
30	Ages of the Bulge Globular Clusters NGC 6522 and NGC 6626 (M28) from HST Proper-motion-cleaned Colorâ€“Magnitude Diagrams*. Astrophysical Journal, 2018, 853, 15.	4.5	45
31	The Shape of the Red Giant Branch Bump as a Diagnostic of Partial Mixing Processes in Lowâ€Mass Stars. Astrophysical Journal, 2002, 565, 1231-1238.	4.5	44
32	Stellar models with mixing length andT(Ï„) relations calibrated on 3D convection simulations. Astronomy and Astrophysics, 2015, 577, A60.	5.1	37
33	On the red giant branch mass loss in 47 Tucanae: Constraints from the horizontal branch morphology. Astronomy and Astrophysics, 2016, 590, A64.	5.1	37
34	COMPARING M31 AND MILKY WAY SATELLITES: THE EXTENDED STAR FORMATION HISTORIES OF ANDROMEDA II AND ANDROMEDA XVI. Astrophysical Journal, 2014, 789, 24.	4.5	35
35	A pulsational approach to the luminosity of horizontal branch stellar structures. Monthly Notices of the Royal Astronomical Society, 1999, 308, 97-110.	4.4	33
36	The ACS LCID Project â€“ VIII. The short-period Cepheids of Leo Aâ˜…. Monthly Notices of the Royal Astronomical Society, 2013, 432, 3047-3061.	4.4	33

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37	Stellar Populations in the Dwarf Spheroidal Galaxy Leo I. Astronomical Journal, 1999, 117, 2199-2210.	4.7	32
38	NGC 6362: THE LEAST MASSIVE GLOBULAR CLUSTER WITH CHEMICALLY DISTINCT MULTIPLE POPULATIONS*. Astrophysical Journal, 2016, 824, 73.	4.5	31
39	The ISLAnds Project. III. Variable Stars in Six Andromeda Dwarf Spheroidal Galaxies*. Astrophysical Journal, 2017, 850, 137.	4.5	28
40	THE ISLANDS PROJECT. I. ANDROMEDA XVI, AN EXTREMELY LOW MASS GALAXY NOT QUENCHED BY REIONIZATION*. Astrophysical Journal, 2016, 819, 147.	4.5	26
41	The Star Formation History of Eridanus II: On the Role of Supernova Feedback in the Quenching of Ultrafaint Dwarf Galaxies*. Astrophysical Journal, 2021, 909, 192.	4.5	26
42	The updated <scp>basti</scp> stellar evolution models and isochrones â€“ III. White dwarfs. Monthly Notices of the Royal Astronomical Society, 2021, 509, 5197-5208.	4.4	26
43	A Panchromatic View of the Bulge Globular Cluster NGC 6569*. Astrophysical Journal, 2019, 874, 86.	4.5	24
44	Multiple populations in massive star clusters under the magnifying glass of photometry: theory and tools. Astronomy and Astrophysics Review, 2020, 28, 1.	25.5	24
45	LOST AND FOUND: EVIDENCE OF SECOND-GENERATION STARS ALONG THE ASYMPTOTIC GIANT BRANCH OF THE GLOBULAR CLUSTER NGC 6752^{â^—}. Astrophysical Journal Letters, 2016, 826, L1.	8.3	23
46	THE CARINA PROJECT. X. ON THE KINEMATICS OF OLD AND INTERMEDIATE-AGE STELLAR POPULATIONS* â€. Astrophysical Journal, 2016, 830, 126.	4.5	21
47	The main sequences of NGCâ€‰2808: constraints on the early disc accretion scenario. Astronomy and Astrophysics, 2014, 563, A10.	5.1	18
48	Lithium and oxygen in globular cluster dwarfs and the early disc accretion scenario. Astronomy and Astrophysics, 2014, 566, A109.	5.1	15
49	On the determination of the He abundance distribution in globular clusters from the width of the main sequence. Monthly Notices of the Royal Astronomical Society, 2017, 464, 2341-2348.	4.4	14
50	Photometric characterization of multiple populations in star clusters: the impact of the first dredge-up. Monthly Notices of the Royal Astronomical Society, 2020, 492, 3459-3464.	4.4	14
51	The GeMS/GSAOI Galactic Globular Cluster Survey (G4CS). I. A Pilot Study of the Stellar Populations in NGC 2298 and NGC 3201. Astrophysical Journal, 2018, 865, 160.	4.5	13
52	Updated theoretical periodâ€“age and periodâ€“ageâ€“colour relations for Galactic Classical Cepheids: an application to the Gaia DR2 sample. Monthly Notices of the Royal Astronomical Society, 2020, 496, 5039-5051.	4.4	13
53	A Photometric Study of the Outer Halo Globular Cluster NGC 5824. Astronomical Journal, 2017, 154, 8.	4.7	12
54	Period-age-metallicity and period-age-colour-metallicity relations for classical Cepheids: an application to the Gaia EDR3 sample. Monthly Notices of the Royal Astronomical Society, 2021, 508, 1473-1488.	4.4	12

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55	Electron conduction opacities at the transition between moderate and strong degeneracy: Uncertainties and impacts on stellar models. Astronomy and Astrophysics, 2021, 654, A149.	5.1	11
56	THE ACS LCID PROJECT. XI. ON THE EARLY TIME RESOLUTION OF SFHs OF LOCAL GROUP DWARF GALAXIES: COMPARING THE EFFECTS OF REIONIZATION IN MODELS WITH OBSERVATIONS*. Astrophysical Journal, 2016, 823, 9.	4.5	10
57	On the Colorâ€“Metallicity Relation of the Red Clump and the Reddening toward the Magellanic Clouds. Astrophysical Journal, 2021, 910, 121.	4.5	8
58	A Universal Transition in Atmospheric Diffusion for Hot Subdwarfs Near 18,000 K^{â^—}. Astrophysical Journal, 2017, 851, 118.	4.5	5
59	UVIT study of UV bright stars in the globular cluster NGC 4147. Journal of Astrophysics and Astronomy, 2021, 42, 1.	1.0	4
60	Variable Stars in Local Group Galaxies. VI. The Isolated Dwarfs VV 124 and KKr 25. Astrophysical Journal, 2021, 920, 152.	4.5	3
61	Precise distances from OGLE-IV member RR Lyrae stars in six bulge globular clusters. Astronomy and Astrophysics, 0, , .	5.1	3