Maurizio Salaris

List of Publications by Year
in descending order

41 papers	3,465 citations	430874 18 h-index	330143 37 g-index
59 all docs	59 docs citations	59 times ranked	2711 citing authors

#	Article	IF	Citations
1	Expanding the Time Domain of Multiple Populations: Evidence of Nitrogen Variations in the â^¼1.5 Gyr Old Star Cluster NGC 1783. Astrophysical Journal Letters, 2022, 924, L2.	8.3	13
2	On the Dwarf Irregular Galaxy NGC 6822. I. Young, Intermediate, and Old Stellar Populations. Astrophysical Journal, 2022, 933, 197.	4.5	1
3	Updated BaSTI Stellar Evolution Models and Isochrones. II. Î±-enhanced Calculations. Astrophysical Journal, 2021, 908, 102.	4.5	70
4	Magnetic dynamos in white dwarfs â€“ I. Explaining the dearth of bright intermediate polars in globular clusters. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 505, L74-L78.	3.3	12
5	Slowly cooling white dwarfs in M13 from stable hydrogen burning. Nature Astronomy, 2021, 5, 1170-1177.	10.1	11
6	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
7	Searching for multiple populations in the integrated light of the young and extremely massive clusters in the merger remnant NGCÂ7252. Monthly Notices of the Royal Astronomical Society, 2020, 494, 332-337.	4.4	9
8	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
9	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
10	Evolutionary and pulsation properties of Type II Cepheids. Astronomy and Astrophysics, 2020, 644, A96.	5.1	11
11	Separation between RR Lyrae and type II Cepheids and their importance for a distance determination: the case of omega Cen. Astronomy and Astrophysics, 2020, 644, A95.	5.1	16
12	Digging for Relics of the Past: The Ancient and Obscured Bulge Globular Cluster NGC 6256. Astrophysical Journal, 2020, 895, 54.	4.5	18
13	PSR J1641+3627F: A Low-mass He White Dwarf Orbiting a Possible High-mass Neutron Star in the Globular Cluster M13. Astrophysical Journal, 2020, 905, 63.	4.5	20
14	Multiple populations in integrated light spectroscopy of intermediate-age clusters. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 489, L80-L85.	3.3	12
15	Astronomical Distance Determination in the Space Age. Space Science Reviews, 2018, 214, 1.	8.1	24
16	White dwarf stars: cosmic chronometers and dark matter probes. Physica Scripta, 2018, 93, 044002.	2.5	4
17	Old-Aged Primary Distance Indicators. Space Science Reviews, 2018, 214, 1.	8.1	53
18	Impact of Distance Determinations on Galactic Structure. II. Old Tracers. Space Science Reviews, 2018, 214, 1.	8.1	9

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19	The Updated BaSTI Stellar Evolution Models and Isochrones. I. Solar-scaled Calculations. Astrophysical Journal, 2018, 856, 125.	4.5	189
20	Chemical element transport in stellar evolution models. Royal Society Open Science, 2017, 4, 170192.	2.4	71
21	Interstellar Reddening Effect on the Age Dating of Population II Stars. Galaxies, 2017, 5, 28.	3.0	5
22	Uncertainties on near-core mixing in red-clump stars: effects on the period spacing and on the luminosity of the AGB bump. Monthly Notices of the Royal Astronomical Society, 2015, 453, 2291-2302.	4.4	62
23	Stellar models with mixing length andT(Ï„) relations calibrated on 3D convection simulations. Astronomy and Astrophysics, 2015, 577, A60.	5.1	37
24	Post first dredge-up [C/N] ratio as age indicator. Theoretical calibration. Astronomy and Astrophysics, 2015, 583, A87.	5.1	55
25	A general abundance problem for all self-enrichment scenarios for the origin of multiple populations in globular clusters. Monthly Notices of the Royal Astronomical Society, 2015, 449, 3333-3346.	4.4	106
26	Star formation histories of resolved galaxies â€“ I. The method. Monthly Notices of the Royal Astronomical Society, 2013, 428, 763-777.	4.4	16
27	Evolutionary properties of stellar standard candles: Red clump, AGB clump and white dwarfs. Proceedings of the International Astronomical Union, 2012, 8, 145-152.	0.0	0
28	Distance indicators from colour-magnitude-diagrams: main sequence, red clump and tip of the RGB. Astrophysics and Space Science, 2012, 341, 65-75.	1.4	9
29	The white dwarf cooling age of NGC 6791. , 2010, , .		0
30	A white dwarf cooling age of 8â€‰Gyr for NGC 6791 from physical separation processes. Nature, 2010, 465, 194-196.	27.8	191
31	THE END OF THE WHITE DWARF COOLING SEQUENCE IN M4: AN EFFICIENT APPROACH. Astrophysical Journal, 2009, 697, 965-979.	4.5	80
32	White dwarf cosmochronology: Techniques and uncertainties. Proceedings of the International Astronomical Union, 2008, 4, 287-298.	0.0	4
33	Reaching the End of the White Dwarf Cooling Sequence in NGC 67911. Astrophysical Journal, 2008, 678, 1279-1291.	4.5	83
34	The Impact of Rotation on the Evolution of Low-Mass Stars. , 2007, , .		0
35	Convection in Stellar Evolution Models. , 2007, , .		1
36	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

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37	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
38	A theoretical analysis of the systematic errors in the red clump distance to the Large Magellanic Cloud (LMC). Monthly Notices of the Royal Astronomical Society, 2003, 345, 1030-1038.	4.4	16
39	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
40	The effect of diffusion on the red giant luminosity function â€˜bumpâ€™. Monthly Notices of the Royal Astronomical Society, 1997, 290, 515-520.	4.4	41
41	The Cooling of CO White Dwarfs: Influence of the Internal Chemical Distribution. Astrophysical Journal, 1997, 486, 413-419.	4.5	155