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	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	A white dwarf cooling age of 8â€‰Gyr for NGC 6791 from physical separation processes. Nature, 2010, 465, 194-196.	27.8	191
4	The Updated BaSTI Stellar Evolution Models and Isochrones. I. Solar-scaled Calculations. Astrophysical Journal, 2018, 856, 125.	4.5	189
5	The Cooling of CO White Dwarfs: Influence of the Internal Chemical Distribution. Astrophysical Journal, 1997, 486, 413-419.	4.5	155
6	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
7	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
8	Reaching the End of the White Dwarf Cooling Sequence in NGC 67911. Astrophysical Journal, 2008, 678, 1279-1291.	4.5	83
9	THE END OF THE WHITE DWARF COOLING SEQUENCE IN M4: AN EFFICIENT APPROACH. Astrophysical Journal, 2009, 697, 965-979.	4.5	80
10	Chemical element transport in stellar evolution models. Royal Society Open Science, 2017, 4, 170192.	2.4	71
11	Updated BaSTI Stellar Evolution Models and Isochrones. II. Î±-enhanced Calculations. Astrophysical Journal, 2021, 908, 102.	4.5	70
12	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
13	Post first dredge-up [C/N] ratio as age indicator. Theoretical calibration. Astronomy and Astrophysics, 2015, 583, A87.	5.1	55
14	Old-Aged Primary Distance Indicators. Space Science Reviews, 2018, 214, 1.	8.1	53
15	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
16	Stellar models with mixing length andT(Ï„) relations calibrated on 3D convection simulations. Astronomy and Astrophysics, 2015, 577, A60.	5.1	37
17	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
18	Astronomical Distance Determination in the Space Age. Space Science Reviews, 2018, 214, 1.	8.1	24

#	Article	IF	Citations
19	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
20	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
21	Digging for Relics of the Past: The Ancient and Obscured Bulge Globular Cluster NGC 6256. Astrophysical Journal, 2020, 895, 54.	4.5	18
22	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
23	Star formation histories of resolved galaxies â€“ I. The method. Monthly Notices of the Royal Astronomical Society, 2013, 428, 763-777.	4.4	16
24	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
25	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
26	Expanding the Time Domain of Multiple Populations: Evidence of Nitrogen Variations in the âˆ¼1.5 Gyr Old Star Cluster NGC 1783. Astrophysical Journal Letters, 2022, 924, L2.	8.3	13
27	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
28	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
29	Slowly cooling white dwarfs in M13 from stable hydrogen burning. Nature Astronomy, 2021, 5, 1170-1177.	10.1	11
30	Evolutionary and pulsation properties of Type II Cepheids. Astronomy and Astrophysics, 2020, 644, A96.	5.1	11
31	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
32	Impact of Distance Determinations on Galactic Structure. II. Old Tracers. Space Science Reviews, 2018, 214, 1.	8.1	9
33	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
34	Interstellar Reddening Effect on the Age Dating of Population II Stars. Galaxies, 2017, 5, 28.	3.0	5
35	White dwarf cosmochronology: Techniques and uncertainties. Proceedings of the International Astronomical Union, 2008, 4, 287-298.	0.0	4
36	White dwarf stars: cosmic chronometers and dark matter probes. Physica Scripta, 2018, 93, 044002.	2.5	4

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37	Convection in Stellar Evolution Models. , 2007, , .		1
38	On the Dwarf Irregular Galaxy NGC 6822. I. Young, Intermediate, and Old Stellar Populations. Astrophysical Journal, 2022, 933, 197.	4.5	1
39	The Impact of Rotation on the Evolution of Low-Mass Stars. , 2007, , .		0
40	The white dwarf cooling age of NGC 6791. , 2010, , .		0
41	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