

Astronomical papers

Maria Messineo

A number of 38 referred papers have been already pushing with Dr. Maria Messineo as a coauthors, and several others are in preparations. 22 of the 38 referred papers have Dr. Maria Messineo as a first author. The H-index calculated on the 38 referred paper amounted to 20 points and the total number of citations amounted to 1,964. The H-index calculated on the 22 referred paper amounted to 11 points with a total number of citations of 347.

Refereed papers

1. Ferraro F. R., **Messineo M.**, Fusi Pecci F., de Palo M. A., Straniero O., Chieffi A., Limongi M., *The Giant, Horizontal, and Asymptotic Branches of Galactic Globular Clusters. I. The Catalog, Photometric Observables, and Features*, 1999, AJ 118, 1738.
2. Bellazzini M., Fusi Pecci F., **Messineo M.**, Monaco L., Rood R. T., *Deep Hubble Space Telescope WFPC2 Photometry of NGC 288. I. Binary Systems and Blue Stragglers*, 2002, AJ 123, 1509.
3. Bellazzini M., Fusi Pecci F., Montegriffo P., **Messineo M.**, Monaco L., Rood R. T., *Deep Hubble Space Telescope WFPC2 Photometry of NGC 288. II. The Main-Sequence Luminosity Function*, 2002 AJ, 123, 2541.
4. Ortiz R., Blommaert J., Copet E., Ganesh S., Habing H. J., **Messineo M.**, Omont A., Schultheis M., Schuller F., *OH/IR stars in the inner bulge detected by ISO GAL*, 2002, A&A 388, 279.
5. Pasquali A., Nota A., Smith L. J., Akiyama S., **Messineo M.**, Clampin, M., *Multiwavelength Study of the Nebula Associated with the Galactic LBV Candidate HD 168625*, 2002, AJ 124, 1625.
6. **Messineo M.**, Habing H., Sjouwerman L., Omont A. & Menten K., *GHz SiO maser survey of late-type stars in the Inner Galaxy. I. Observational data*, 2002, A&A 393, 115.
7. van Loon J. T., Gilmore G. F., Omont A., Blommaert J., Glass, I. S., **Messineo M.**, Schuller F., Schultheis M., Yamamura I., Zhao H. S., *Infrared stellar populations in the central parts of the Milky Way galaxy*, 2003, MNRAS 338, 857.
8. Omont A., Gilmore G. F., Alard C., Aracil B., August T., Baliyan K., Beaulieu S., Begon S., Bertou X., Blommaert J. A. D. L., Borsenberger J., Burgdorf M., Caillaud B., Cesarsky C., Chitre A., Copet E., de Batz B., Egan M. P., Egret D., Epchtein N., Felli M., Fouqu P., Ganesh S., Genzel R., Glass I. S., Gredel R., Groenewegen M. A. T., Guglielmo F., Habing H. J., Hennebelle P., Jiang B., Joshi U. C., Kimeswenger S., **Messineo M.**, Miville-Deschenes M. A., Moneti A., Morris M., Ojha D. K., Ortiz R., Ott S., Parthasarathy M., Prault M., Price S. D., Robin A. C., Schultheis M., Schuller F., Simon G., Soive A., Testi L., Teyssier D., Tiphne D., Unavane M., van Loon J. T., Wyse R., *ISO GAL: A deep survey of the obscured inner Milky Way with ISO at 7 μ m and 15 μ m and with DENIS in the near-infrared*, 2003, A&A 403, 975.

9. Schuller F., Ganesh S., **Messineo M.**, Moneti A., Blommaert J. A. D. L., Alard C., Aracil B., Miville-Deschenes M.-A., Omont A., Schultheis M., Simon G., Soive A., Testi L., *Explanatory supplement of the ISOGAL-DENIS Point Source Catalogue*, 2003, A&A 403, 955.
10. Sjouwerman L., **Messineo M.**, Habing H., *43 GHz SiO Masers and Astrometry with VERA in the Galactic Centre*, 2004, PASJ 56, 45.
11. **Messineo M.**, Habing H., Menten K., Omont A. & Sjouwerman L. *GHz SiO maser survey of late-type stars in the Inner Galaxy. II. Infrared photometry of the SiO target stars*, 2004, A&A 418, 103.
12. **Messineo M.**, PhD thesis, *Late-type Giants in the Inner Galaxy*, 2004, Leiden University.
13. **Messineo M.**, Habing H., Menten K., Omont A. , Sjouwerman L. & Bertoldi, F. *86 GHz SiO maser survey of late-type stars in the Inner Galaxy. III. Interstellar extinction and colours of the SiO targets*, 2005, A&A 435, 575.
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15. Habing H.J., Sevenster M.N., **Messineo M.**, van de Ven G., Kuijken K. *The distribution of maser stars in the inner Milky Way: the effect of a weak, rotating bar*, 2006, A&A, 458, 151.
16. **Messineo M.**, Petr-Gotzens M.G., Schuller F., Menten K.M., Habing H.J., Kissler-Patig M., Modigliani A., Reunanen, J. *Integral-field spectroscopy of the Galactic cluster [DBS2003]8. Discovery of an ultra-compact HII region and its ionizing star in the bright rimmed cloud SFO49*, 2007, A&A, 472, 471.
17. **Messineo M.**, Figer D.F., Davies B., Rich R.M., Valenti E., Kudritzki, R.P. *Discovery of a Young Massive Stellar Cluster near HESS J1813-178*, 2008, ApJ, 683, 155.
18. Clark J. S., Negueruela I., Davies B., Larionov V. M., Ritchie B. W., Figer D. F., **Messineo M.**, Crowther P. A., Arkharov, A. A., *A third red supergiant rich cluster in the Scutum-Crux arm*, 2009, A&A, 498, 109.
19. **Messineo M.**, Davies B., Ivanov V.D., Figer D.F., Schuller F., Habing H.J., Menten K.M., Petr-Gotzens M.G. *Near-Infrared Spectra of Galactic Stellar Clusters Detected on Spitzer/GLIMPSE Images.*, 2009, ApJ, 697, 701
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21. **Messineo, Maria**; Figer, Donald F.; Davies, Ben; Kudritzki, R. P.; Rich, R. Michael; MacKenty, John; Trombley, Christine, *HST/NICMOS observations of the GLIMPSE9 stellar cluster*, 2010, ApJ, 708, 1241
22. Minniti D., Lucas P. W., Emerson J. P., Saito R. K., Hempel M., Pietrukowicz P., Ahumada A. V., Alonso M. V., Alonso-Garcia J., Arias J. I., and 57 coauthors, *VISTA Variables in the Via Lactea (VVV): The public ESO near-IR variability survey of the Milky Way*, 2010, NewA, 15, 433.

23. **Messineo, Maria**; Davies, Ben; Figer, Donald F.; Kudritzki, R. P.; Valenti, Elena; Trombly, Christine; Najarro, F.; Rich, R. Michael, *Massive Stars in the Cl 1813-178 Cluster: An Episode Of Massive Star Formation in the W33 Complex*, 2011 *ApJ*, 733, 41.
24. **Messineo Maria**; Menten, K., Churchwell, E., and Habing, H., *Near- and Mid-Infrared colors of evolved stars in the Galactic plane. The Q1 and Q2 parameters.*, 2012 *A&A*, 537,10
25. Verheyen L., **Messineo M.**, Menten K.M., *SiO maser emission from red supergiants across the Galaxy. I. Targets in massive star clusters.*, 2012, *A&A* 541,36
26. **Messineo M.**, Davies, Ben; Figer, Donald F.; Trombly, Christine; Valenti, Elena; Najarro, Francisco; MacKenty, John; Menten, Karl; Rich, R. Michael; Kudritzki, Rolf P.; Clark, Simon; Ivanov, Valentiv, "Young Massive Stellar Clusters in the Milky Way: the Cl1813-178 and GLIMPSE 9 Clusters", *Star Clusters in the Era of Large Surveys, Astrophysics and Space Science Proceedings*, ISBN 978-3-642-22112-5. Springer-Verlag Berlin Heidelberg, 2012, p. 185
27. **M. Messineo**, K. M. Menten, D. F. Figer, B. Davies, J. S. Clark, V. D. Ivanov, R.-P. Kudritzki, R.M. Rich, J.W. MacKenty, C. Trombly *The G23.3–0.3 giant molecular complex, which hosts W41. Formation and evolution of massive stars.*, 2014, *A&A*, 569, 20.
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29. **Maria Messineo**, Donald F. Figer, J. Simon Clark, Rolf-P. Kudritzki, F. Najarro, R. Michael Rich, Karl M. Menten, Valentin D. Ivanov, Elena Valenti, Christine Trombly, C.-H. Rosie Chen, and Ben Davies, *Massive stars in the W33 giant molecular complex*, 2015, *ApJ*, 805, 110.
30. **Messineo M.**, Zhu Q., Menten K.M., Ivanov V.D., Figer D.F., Kudritzki R.-P. & Chen C.-H. R., *Discovery of an Extraordinary Number of Red Supergiants in the Inner Galaxy*, 2016, *ApJL*, 822, 5.
31. **Messineo M.**, Zhu Q., Menten K.M., Ivanov V.D., Figer D.F., Kudritzki R.-P. & Chen C.-H. R., *Red Supergiants in the Inner Galaxy: Stellar Properties*, 2017, *ApJ*, 836, 65.
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34. **Messineo M.**, Brown, A. G. A. *A Catalog of Known Galactic K-M Stars of Class I Candidate Red Supergiants in Gaia DR2.*, 2019, *AJ*, 158, 20.
35. **Messineo M.**, Sjouwerman, L. O., Habing, H. J., Omont A. *86-GHz SiO masers in Galactic centre OH/IR stars.*, 2020, *PASJ*, 72, 63.

36. **Messineo M.**, Menten K.M., Figer D.F., Clark J.S. *Massive Stars in Molecular Clouds Rich in High-energy Sources: The Bridge of G332.809-0.132 and CS 78 in NGC 6334.*, 2020, AJ, 160, 65.
37. Figer D.F., Najarro F., **Messineo M.**, Clark J.S., Menten K.M. *A New Candidate Luminous Blue Variable*, 2020, ApJ, 901, 15.
38. **Messineo M.**, Figer D.F., Kudritzki R.-P., Zhu Q., Menten K. M., Ivanov V.D., & Chen C.-H. R. *New infrared spectral indices of luminous cold stars: from early early K to M-type.* AAS, accepted.

Conference proceedings

1. Bellazzini M., **Messineo M.**, *HST-WFPC2 Photometry of the Globular Cluster NGC288: Binary Systems Blue Stragglers and Very Blue Stars*, in *The Evolution of the Milky Way: stars versus clusters*. Eds Matteucci F. and Giovannelli F., 2000.
2. Ortiz R., Omont A., Schultheis M., Copet E., Habing H. J., **Messineo M.**, Ganesh S., Blommaert J., *The OH/IR star population at the centre of the Galaxy*, *Proceedings of Cosmic Masers: From Proto-Stars to Black Holes*, IAU Symposium #206. Eds Mineese V. and Reid M. San Francisco: Astronomical Society of the Pacific, 2002., p.335.
3. **Messineo M.**, Habing H., Sjouwerman L., Omont A., Menten K., *GHz SiO masers in late-type galactic bulge stars*, *Proceedings of Cosmic Masers: From Proto-Stars to Black Holes*, IAU Symposium #206. Eds Mineese V. and Reid M. San Francisco: Astronomical Society of the Pacific, 2002., p.282.
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5. **Messineo M.**, Habing H., Sjouwerman L., Omont A., Menten K., *GHz SiO Maser Survey in Late-type Stars in the Inner Galaxy*, *Proceeding of "Mass-losing Pulsating Stars and their Circumstellar Matter"*. Eds. Y Nakada, M Honma, M Seki; 2003 Kluwer ASSL Series 283 (p. 363).
6. Sjouwerman L., **Messineo M.**, Habing H., *43 SiO masers in late-type stars with 86 GHz SiO masers and astrometry with VERA in the Galactic center*, *Proceeding of "The central 300 parsecs of the Milky Way"*. Eds. A. Cotera, H. Falcke, T.R. Geballe, S. Markoff; *Astron. Nachr.*, Vol. 324, No. S1, Special Supplement (p. 73-78).
7. **Messineo M.**, Habing H., Sjouwerman L., Omont A., Menten K., *GHz SiO masing late-type stars in the Inner Galaxy*, *Proceeding of "The central 300 parsecs of the Milky Way"*. Eds. A. Cotera, H. Falcke, T.R. Geballe, S. Markoff; *Astron. Nachr.*, Vol. 324, No. S1, Special Supplement (p. 293-297).
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10. Gillessen S., Davies R., Kissler-Patig M., Lehnert M., van der Werf P., Nowak N., Eisenhauer F., Abuter R., Horrobin M., Gilbert A., Genzel R., Bender R., Saglia R., Lemoine-Busserolle M., Reunanen J., Kjaer K., **Messineo M.**, Nuernberger D., Dumas C., *First science with SINFONI*, 2005, *The Messenger*, 120,26.

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12. **Messineo M.**, Petr-Gotzens M., Menten K.M., Schuller F., Habing H.J., *Constraining the Galactic Structure with Stellar Clusters in Obscured HII Regions*, 2007, Science Perspectives for 3D Spectroscopy, ESO ISBN 978-3-540-73490-1. Springer-Verlag Berlin Heidelberg (p. 321).
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14. Ivanov Valentin D., **Messineo Maria**, Zhu Qingfeng, Figer Don, Borissova J., Kurtev R., Ivanov G. R., *Infrared surveys of Galactic star clusters*, Star clusters: basic galactic building blocks throughout time and space, Proceedings of the International Astronomical Union, IAU Symposium, Volume 266, p. 203-210
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17. Davies Ben, Figer Don, Kudritzki Rolf-Peter, Kouveliotou Chryssa, Trombly Christine, Wachter Stefanie, **Messineo Maria**, *Progenitors and Environments of Stellar Explosions*, XXVIth IAP Annual Colloquium held in Paris 28 June - 2 July, 2010
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27. **Messineo M.** *Something about Red Supergiants*. Galactic Dynamics in the Era of Large Surveys, held 30 June - 5 July, 2019 in Shanghai, China. Proceedings of the International Astronomical Union, 2020, Volume 353, pp. 24-25. DOI:10.1017/S1743921319008482
28. **Messineo Maria** and Brown Anthony, *Galactic red supergiants in Gaia DR2*. Contribution for the Proceeding of the conference on Stars and their variability observed from space, held in Viena, August 2019. Editors C. Neiner, W. Weiss, D. Baade, E. Griffin, C. Lovekin, and A. Moffat. Univ. of Vienna, 2020, pp. 111-112. Bibcode:2020svos.conf..111M
29. **Messineo Maria** and Brown Anthony, *Updated catalog of class I late-type stars: gaia EDR3*. Technical report of the updated catalog of Messineo et al. 2019 with DR3 parallaxes are posted in Zenodo. doi:10.5281/zenodo.4964818, June, 2021, [https : //zenodo.org/record/4964818](https://zenodo.org/record/4964818).