

Curriculum Vitae et Studiorum

Maria Messineo

Personal Information:

Name : Maria Messineo
Nationality : Italian
Age : 51
Current working address : Department of Astronomy
: University of Science and Technology of China (USTC)
: Physics and Chemistry Building (18-013)
: 96 Jinzhai Road
: Hefei, Province of Anhui, 230026, China
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Education history:

30 June 2004 : PhD Defense, Leiden University, The Netherlands.
Thesis Title : *Late-type Giants in the Inner Galaxy*

21 Mar 1997 : Master in Astronomy, Bologna University, Italy. Thesis Title :
*The mixing problem in stellar evolution and the primordial He abundance
determination from population ratios in globular clusters*

Employment history:

Oct 2015 - present : Senior researcher at the University of Science and Technology of China (USTC),
: Hefei, Anhui, China
Oct 2010 - Oct 2015 : Senior researcher at the Max Planck Institute for Radioastronomy (MPIfR)
: Bonn, Germany
Oct 2009 - Oct 2010 : Research fellow at the European Space Agency (ESA),
: Noordwijk, The Netherlands
Jul 2007 - Jul 2009 : Researcher at the Rochester Institute of Technology (RIT),
: Rochester, NY, USA
Sep 2004 - Jul 2007 : Research fellow at European Southern Observatory (ESO),
: Garching, Germany
Dec 1999 - Jun 2004 : Doctorate in Science at the University of Leiden,
: Leiden, The Netherlands
Apr - Nov 1999 : Research Assistant at the Bologna Observatory,
: Bologna, Italy
Jun - Nov 1998 : Summer Research Assistant at the Space Telescope Science Institute,
: Baltimore, USA

Prizes and tokens of esteem:

- 1997 graduation in Astronomy *cum laude*
- 2004-2007 Diplomat status in Germany as a ESO employee (Sonderweisung)
- Nov 2015 - Present Expert certificate from the Republic of China
- 2015 - Member of the Associazione Accademici Italiani in Cina (AAIIC); aaiic.org

Committee:

- 2017: Expert advisor for the CAS
(April 20th at NAOC)
- 2016: Expert advisor for the CAS
(October 26th at NAOC)
- 2016: Referee for the ESO Observing Programmes Office for P98
(May 18-20, Munich).
- 2015: Referee for the ESO Observing Programmes Office for P96.
- 2013: Member of the committee for the Premium GAL Hassin 2013
[http : //www.associazioneastrofiliisnello.it/gal_hassin.htm](http://www.associazioneastrofiliisnello.it/gal_hassin.htm)

Grants:

- 2010: Awarded grant from ESA/ESTEC to host Dr. Zhu in summer 2010
- 2009: Co-Investigator of the awarded ERC Advanced Investigator Grant GLOSTAR (247078);
PI Prof. K. M. Menten.
- 2015: Awarded a start-up grant paid by USTC (Nov 2015 - Nov 2018).
- 2017: Co-Investigator and PI of an awarded NSF/China grant
on Red Supergiants (Jan 2018 - 2021).

Supervisions:

- Master Thesis of Dr. Dominic Schnitzeler at the Leiden Univ.
Title: Evolved stars and mass loss at the centre of 47 Tuc. 20 Jan 2002
- PhD Thesis of Dr. Lies Verheyen at the Bonn Univ.
Title: The Dusty, Molecular Envelopes of Red Supergiant Stars: VY Canis Majoris as the
Archetypical Example. 2012
- Financially supporting the fellowship of: Dr. Chang-Hui Chen at MPIfR. 2011-2014

- Financially supporting the fellowship of: Dr. D. Bish at USTC. 2017-2019

Other relevant activities:

- Co-organizer of Astronomical Journal clubs
- Popular Seminars
- Co-organizer of several conferences, for example:

27 - 31 Aug 2018	:	IAU Symp. 347: EARly Science with ELTs (EASE), Vienna, Austria
28 - 30 Jul 2008	:	Massive stars and massive clusters in the Milky Way, Rochester, USA
10 - 11 Apr 2003	:	Future Directions in AGB research. On the Occasion of the Retirement of Harm Habing, Leiden, The Netherlands
10 - 14 Apr 2000	:	ISOGAL meeting at the Lorentz Center/Leiden, The Netherlands

- I have served as a referee for major astronomical journals (ApJ, AJ, A&A, MNRAS, PASJ.)
- I have given 21 Astronomical Colloquia, and 29 Talks in conferences.
- Observatory astronomer: As an ESO fellow, I carried out service mode observations with the VLT-UT4 SINFONI and NACO instruments
- Experience in team legacy projects: As a member of the ISOGAL team, I contributed to the mid-infrared ISOGAL point source catalog, which is based on ESA/ISOCAM data. I focused on the absolute photometric calibration and completeness (Omont et al. 2003; Schuller et al. 2003).
- Experience with infrared and millimetric observations
- Experience with photometric and spectroscopic data analysis, large catalogs.
- Installation of Operating Systems : Linux and MacOS
- Experience with software (IDL, Fortran, Python, SuperMongo, Fortran 77, HTML, LaTeX)
- Experience with astronomical packages (e.g. IRAF, GILDAS, DAOPHOT)
- Environment : electrical grounding of monitors and computers

Languages:

- Italian
- English
- I can take classes to improve my basic German.

Invited Colloquia:

- 11 Jun 2019 Colloquium, University of Science and Technology of China, Hefei, CN
Something about red supergiants in the Galaxy
- 13 Feb 2018 Colloquium, Osservatorio di Capodimone, Napoli, IT
A new sample of Galactic Red Supergiants
- 03 Jul 2015 Colloquium, USTC, Hefei, China
Massive stars and clusters in the Inner MW
- 20 Jan 2015 Informal Seminar, MM group, MpifR, Germany
Evolved massive stars in G23.3-0.3
- 06 Jun 2013 Colloquium, Astronomical Observatory and University of Bologna
A starred walk in the Milky Way
- 29 Jun 2012 Colloquium, ESO Vitacura, Santiago, Chile
- 16 Jun 2011 Colloquium, University of Chile, Santiago, Chile
Massive young stellar clusters in the Milky Way
- 16 Jun 2011 Colloquium, Pontificia Universidad Catolica de Chile, Santiago, Chile
- 15 Jun 2011 Informal discussion, ESO Vitacura, Santiago, Chile
Clusters via massive stars
- 14 Jun 2011 Colloquium, Vitacura ESO, Santiago, Chile
- 1 Dec 2010 Lunch seminar, University of Bonn/MpifR, Germany
- 23 Apr 2010 Lunch seminar at RIT, Rochester (NY), USA
- 03 Feb 2010 Colloquium Hertfordshire 2010, Hatfield, UK
- 09 Mar 2009 Colloquium, RIT, Rochester, NY, USA
Young stellar clusters in the Milky Way
- 05 Dec 2008 Colloquium, University of Bonn/MpifR, Germany
Young stellar clusters in the Milky Way
- 17 Jul 2008 Colloquium, UCLA, California, USA
Massive young stellar clusters
- 10 Jan 2007 Informal discussion, ESO, Germany
Speculations on Galactic Structure
- 25 May 2005 Colloquium, Osservatorio Astronomico di Palermo, Italy
La struttura della nostra Galassia svelata attraverso lo studio di stelle AGB
- 06 Aug 2004 Colloquium, Univ. & MPIfR Bonn, Germany
SiO maser stars in the inner Galaxy
- 22 Apr 2003 Lunch seminar, MPIfR Bonn, Germany
86 GHz SiO maser survey in the inner Galaxy
- 21 Feb 2003 Colloquium, ASTRON/JIVE Dwingeloo, The Netherlands
86 GHz SiO maser survey in the inner Galaxy
- 25 Nov 1999 Colloquium, Astronomical Observatory of Bologna, Italy
*HST photometry of the globular cluster NGC 288:
binaries, blue stragglers and other blue stars*

: **Participation in conferences:**
 23 Oct 2021 : PERC-eption event of EURAXESS China
 Dec 2020 : IAU symposium of Anhui
 19 - 21 Aug 2019 : Stars and their variability, Observed from Space 2019, Wien.
 30 Jun-July 4 2019 : IAUS 353: Galactic Dynamics in the Era of Large Surveys, Shanghai, CN
 11 - 13 Oct 2018 : 2018 Experience China in Golden Autumn
 : A Cultural Tour of Central China For Foreign Experts in Higher Education
 28 - 29 Aug 2018 : IAU Focus Meeting FM7: Radial metallicity gradients in star forming galaxies
 28 - 31 Aug 2018 : IAU Symposium 347: Early Science with ELTs (EASE)
 26 Nov 2017 : Forum of Chaohu Overseas Chinese
 24 Nov 2017 : 2017 Propaganda of the European Research and Innovation in Hefei China
 11 - 15 Sept 2017 : Stellar Populations and the Distance Scale, Kavli, Beijing (talk)
 4 - 8 Sept 2017 : The amazing life of stars, Cefalu', Italy (talk)
 3 - 7 Jul 2017 : Asia-Pacific Regional IAU Meetings, Tapei, Taiwan (talk)
 1 - 3 Jul 2017 : Cross-Strait Symposium of Astrophysics: Taiwan (talk)
 23 Jun 2017 : Giornata della Ricerca Italiana in Cina, Beijing
 4 Mar 2017 : 2017 CfA@USTC Junior Cosmology Symposium:
 : Early Universe & Ali (Ngari) CMB Polarization Telescope
 10 Dec 2016 : Annual meeting of the Key Laboratory for Researches in Galaxies and Cosmology,
 : Emeishan, Sichuan, CN (talk)
 28 Nov - 02 Dec 2016 : The lives and death-throes of massive stars, Auckland, NZ
 21 - 25 Nov 2016 : Galactic Archaeology & Stellar Physics, Canberra, AU (talk)
 19 - 23 Sep 2016 : The Milky Way and its environment: gaining insights into the
 : drivers of galaxy formation and evolution, Paris
 06 - 10 Jun 2016 : Cool Stars 19, Uppsala, Sweden
 21 - Apr 2016 : SINO-ITALY Trade and Technology matchmaking conference
 : within the 4th China (Shanghai) International Technology Fair (CSITF)
 04 - 06 Dec 2015 : Astrophysics Symposium, Suzhou, China (talk)
 03 - 15 Aug 2015 : IAU XXIX General Assembly, Honolulu (USA)
 05 - 07 May 2015 : Massive Stars and the Gaia-ESO Survey, Brussels, Belgium (talk)
 17 - 20 Nov 2014 : Wide-field InfraRed Surveys: Science and Techniques, Pasadena, USA (talk)
 03 - 07 Nov 2014 : The early life of stellar clusters: formation and dynamics -
 : Copenhagen, Denmark (talk)
 02 - 06 Jun 2014 : The dance of stars: dense stellar systems from infant to old -
 : Bad Honnef, Germany
 02 - 06 Dec 2013 : Fifth in the series of Guillermo Haro Conferences -
 : Massive Young Star Clusters Near and Far:
 : From the Milky Way to Re-ionization, Puebla, Mexico (talk)
 04 - 07 Jul 2013 : GAL Hassin 2013 -
 : The sky from the Astronomical Garden on the Madonie mountains (talk)
 28 - 02 Sep 2011 : AHAR, Astronomy at High Angular Resolution, Bad Honnef, Germany
 18 - 22 Jul 2011 : Galactic plane surveys, Hatfield, UK (talk)
 23 - 27 May 2011 : Stellar Clusters & Associations, A RIA workshop on Gaia, Granada, Spain (talk)
 7 - 10 Nov 2010 : Spiral structure in the Milky Way, Bahia Inglesa, Chile (talk)
 6 - 10 Sep 2010 : JENAM 2010, Lisbon, Portugal (talk)
 13 - 17 Sep 2010 : Astronomische Gesellschaft, Bonn, Germany (2 talks)
 6 - 10 Apr 2010 : From Stars to Galaxies, Florida, USA
 28 - 30 Jul 2008 : **Co-organizer: Maria Messineo**
 : Massive stars and massive clusters in the Milky Way, Rochester, USA (talk)
 17 - 19 Dec 2007 : Workshop 'Science from UKIDSS', Garching, Germany (talk)
 10 - 14 Dec 2007 : Massive Stars as cosmic engines, Kauai, Hawaii, USA
 10 - 16 Dec 2006 : Stellar Populations as Building Blocks of Galaxies, La Palma, Spain
 18 - 22 Apr 2006 : Galactic Center Workshop, Bad Honnef, Germany
 09 - 10 Nov 2005 : Panoramic near-Infrared Astronomy Workshop, Edinburgh, UK
 10 - 14 Oct 2005 : Science Perspectives for 3D Spectroscopy, Garching, Germany (talk)
 16 - 20 May 2005 : Massive Star Birth: A Crossroads of Astrophysics, IAU symposium 227, Acireale, Italy
 10 - 13 May 2005 : ESO Fellow Symposium, Garching, Germany (talk)
 24 Sep 2004 : Alma Day, ESO, Garching, Germany
 14 Jun 2004 : ISM meeting, Pannekoek Institute, Amsterdam, The Netherlands (talk)
 10 - 11 Apr 2003 : *Future Directions in AGB research.*
 : On the Occasion of the Retirement of Harm Habing, Leiden, The Netherlands
Co-Organizer: Maria Messineo
 04 - 08 Nov 2002 : *Galactic Center Workshop; The central 300 pc*, Kailua-Kona, Hawai'i, USA
 13 - 16 May 2002 : *Mass-losing pulsating stars and their circumstellar matter*, Sendai, Japan (talk)
 06 - 07 Dec 2001 : *EARA workshop*, MPA, Garching, Germany
 10 Apr 2001 : ISM meeting, Pannekoek Institute, Amsterdam, The Netherlands (talk)
 05 - 10 Mar 2001 : *Cosmic masers*, IAU symposium 206, Brazil
 23 - 27 Oct 2000 : *Nova fall school 2000*, Dwingeloo, The Netherlands (talk)
 16 - 20 Sep 2000 : *Young European Radio Astronomers Conference, YERAC*, Granada, Spain (talk)
 25 - 27 Apr 2000 : *Oort Centenary Symposium*, Leiden, The Netherlands
 10 - 14 Apr 2000 : *ISOGAL meeting*, Lorentz Center/Leiden, The Netherlands (talk)
Organizers: Harm Habing & Maria Messineo
 07 - 12 Jun 1999 : *Stellar populations as cosmic clocks. From the far-infrared to the millimetric.*
 : Italian national school for astrophysics, Carloforte, Italy (talk)

Astronomical Visits made:

- 12-23 Apr 2010: Visitor at RIT.
- 21-11-2014: Visitor at UCLA.
- 18-19 Feb 2016: Visitor at the Max Planck Institute for Radioastronomy.
- 24 Sep 2017: Meeting in Nainjing with Prof. A. Omont.
- 09 Dec 2017: Meeting in Nainjing with Prof. A. Omont.

Astronomical Visits received:

- 20-30 Sept 2006 – Harm Habing at ESO.
- 22 Apr-22 May 2008 – Valentin Ivanov at RIT.
- 05 May 2008 – Tiziana Di Matteo at RIT.
- 19 May 2008 – Maria Rosa Cioni at RIT.
- 4 June 2010 – Maria Rosa Cioni at ESA.
- August 2010: Visit of Dr. Zhu - ESA.
- 16 Sept 2011 – Prof. Dr. Rolf Peter Kudritzki at MPIfR.
- 14 March 2014 – Prof. Ferraro Francesco at MPIfR.
- 9 March 2017 – Prof. Thijs Kouwenhoven at USTC.
- 1-5 April 2017 – Prof. Paul van der Werf and Marianne at USTC.
- 21 Nov 2017 – Prof. Richard de Grijs at USTC.
- 8-11 July 2019 – Dr. Lorant Sjouwerma from VLA Socorro.
- 22 Dec 2020 – Online seminar by Dr. Claus Leitherer.

Publications

A number of 37 referred papers have been already pushing with Dr. Maria Messineo as a coauthors, and several others are in preparations. 21 of the 37 referred papers have Dr. Maria Messineo as a first author. Using the ADS database, the H-index calculated on the 37 referred papers amounted to 19 points and the total number of citations amounted to 1,887. The H-index calculated on the 21 referred papers amounted to 11 points with a total number of citations of 351.

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., *86 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. *86 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.
14. Bedin L.R., Piotto G., Baume G., Momany Y., Carraro G., Anderson J., **Messineo M.** and Ortolani S. *Star cluster detection with WFC/ACS in M 33 - 33 new clusters and 51 candidates*, 2005, A&A 444, 831.
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
20. Clark J. S., Davies B., Najarro F., MacKenty J., Crowther P.A. Figer D. F., Crowther P. A., Arkharov, A. A., **Messineo M.**, Thompson M.A., *The P Cygni supergiant [OMN2000] LS1 - implications for the star formation history of W51*, 2009, A&A, 504, 429.
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. **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 *Massive stars in the giant molecular cloud G23.3-0.3 and W41.*, 2014, *A&A*, 569, 20.
27. **Maria Messineo**, Qingfeng Zhu, Valentin D. Ivanov, Karl M. Menten, Ben Davies, Donald F. Figer, Rolf P. Kudritzki, and C.-H. Rosie Chen, *Near-infrared Spectroscopy of a few candidate Red Supergiant Stars in Clusters*, 2014, *A&A*, 571, 43.
28. **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.
29. **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.
30. **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.
31. **Messineo M.**, Habing H. J., Sjouwerman L. O., Omont A. & Menten K. M., *86 GHz SiO maser survey of late-type stars in the Inner Galaxy. IV. SiO emission and infrared data for sources in the Scutum and Sagittarius-Carina arms, $20^\circ < l < 50^\circ$.*, 2018, *A&A*,619,35.
32. **Messineo M.**, Menten K. M., Figer D.F., Chen C.-H. R., & Rich R.M. *Detections of the massive stars in the cluster MCM2005B77, in the star-forming regions GRS G331.3400.36 (S62) AND GRS G337.9200.48 (S36).*, 2018, *ApJ* 862,10.
33. **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.
34. **Messineo M.**, Sjouwerman, L. O., Habing, H. J., Omont A. *86-GHz SiO masers in Galactic centre OH/IR stars.*, 2020, *PASJ*, 72, 63.
35. **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.
36. Figer D.F., Najarro F., **Messineo M.**, Clark J.S., Menten K.M. *A New Candidate Luminous Blue Variable*, 2020, *ApJ*, 901, 15.

37. **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*. AJ, 162, 187.

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., *86 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.
4. Sjouwerman L., **Messineo M.**, Habing H., *43 GHz SiO masers in late-type stars with 86 GHz SiO masers 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. 377).
5. **Messineo M.**, Habing H., Sjouwerman L., Omont A., Menten K., *86 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., *86 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).
8. Sjouwerman L.O., **Messineo M.**, Habing H., Omont A., Menten K.M., Sevenster M., Phillips C.J., *86 GHz SiO maser survey and kinematics in the Galactic Bulge*, 2004, *Proceeding of "Milky Way Surveys: The Structure and Evolution of Our Galaxy"*. Eds. D Clemens, T Brainerd, R Shah; *ASP Conf. Series* (317, p. 85).
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