

ALLEGATO B

UNIVERSITÀ DEGLI STUDI DI MILANO

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MARCO TAZZARI

CURRICULUM VITAE

INFORMAZIONI PERSONALI (NON INSERIRE INDIRIZZO PRIVATO E TELEFONO FISSO O CELLULARE)

COGNOME	TAZZARI
NOME	MARCO
DATA DI NASCITA	24 Febbraio 1988

Data

16/03/2021

Luogo

Cambridge

Marco Tazzari | Curriculum Vitae

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Personal information

Present position: Postdoctoral Research Associate, Institute of Astronomy, University of Cambridge

College Research Associate, Corpus Christi College, University of Cambridge

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Personal webpage: <http://www.ast.cam.ac.uk/people/marco.tazzari>

🔗: <https://github.com/mtazzari>

Academic positions

University of Cambridge

Postdoctoral Research Associate

Cambridge, UK

11/2016 - present

Education

PhD in Physics (Astronomy)

Ludwig Maximilians Universität, München, DE

Advisors: Dr. Leonardo Testi (ESO), Prof. Dr. Barbara Ercolano (USM-LMU).

Thesis Title: *Observing planet formation: constraints on the spatial distribution and the growth of solids.*

Final grade: Magna cum Laude

09/2013 – 12/2016

Master's Degree in Astrophysics

University of Milan, IT

Thesis Advisors: Prof. Giuseppe Lodato, Prof. Giuseppe Bertin

Thesis Title: *Evolution of gaseous discs during the merger of SMBH binaries.*

Final grade: 110/110 cum Laude

2011 – 2013

Final avg. class grade: 29.6/30

Bachelor's Degree in Physics

University of Milan, IT

Thesis Advisors: Prof. Giuseppe Bertin, Prof. Giuseppe Lodato

Thesis Title: *Equilibrium and stability of classical models of self-gravitating fluids in rotation.*

Final grade: 110/110 cum Laude

2007 – 2011

Final avg. class grade: 29.7/30.

High School Diploma

Liceo Scientifico A. Oriani, Ravenna, IT

Final grade: 100/100 cum Laude

2002 – 2007

Final avg. grade per subject: 9.4/10.

Expertise

Planet Formation: Dust evolution, grain growth, gas disc-planet interaction, radiative transfer

Radio Interferometry: sub-mm/mm/cm wavelengths (ALMA, VLA): calibration, imaging, visibility modelling

Programming: An enthusiast of open source, object-oriented, test-driven, version-controlled and well documented programming in Python (advanced), C/C++ and Fortran (intermediate), NVIDIA CUDA for GPUs (intermediate).

DevOps: Continuous Integration/Deployment (Travis CI, Circle CI), Containers (Docker).

Tools/IDEs: git/github/bitbucket, JetBrains PyCharm/CLion, Microsoft Visual Studio.

Computing: Parallel computing on large clusters ([C2PAP](#), [LRZ](#), [Max-Planck-Gesellschaft Hydra](#)).

Public software packages

Author of **GALARIO**: GPU Accelerated Library for Analysing Radio Interferometer Observations 🔗

Author of **uvplot**: A simple package to make nice visibility plots and to export visibilities from MS tables 🔗

Author of **binary**: Computes the evolution of an accretion disc interacting with a binary system. 🔗

Co-author of **frank**: 1D radial brightness profile reconstruction for interferometric sources 🔗

Research Interests and Key Achievements

I am an expert of modelling the thermal emission of dust grains in protoplanetary discs as seen by sub-mm/radio telescopes like ALMA in order to probe the initial stages of planet formation.

I pioneered **multi-wavelength methods** for detecting signatures of dust evolution in protoplanetary discs (Tazzari et al 2016 A&A 588 A53) and **extensive homogeneous studies** on large samples of disc observations (Tazzari et al 2017 A&A 606 A88, 2020a arXiv:2010.02248, 2020b arXiv:2010.02249).

I co-authored **several observational breakthroughs**, e.g.: the first ALMA disc survey (Ansdell et al. 2016 ApJ 828 46), the first detection of spirals in discs (Pérez et al. 2016 Science 353 1519), the first detection of ringed dust continuum emission around a Herbig Ae/Be star (Isella et al. 2016, PRL 117 251101). I employed my observational expertise to obtain quantitative measurements of the disc structure and the dust properties in several high profile studies (Fedele, Tazzari et al. 2018 A&A 610 A24; Clarke, Tazzari et al. 2018 ApJL 866 1; Pinilla, Tazzari et al. 2018 ApJ 859 1).

I have become **an enabler of several major discoveries** as a developer of **GALARIO** (Tazzari et al 2018 MNRAS 476 4527), a publicly available Python package that speeds up the analysis of ALMA data by a spectacular 150x factor w.r.t. typical codes. The success of GALARIO, being adopted by an increasing number of high profile publications (as of today, 54 publications totalling 1000+ citations), helped me establish in the academic community as a **recognised expert of high performance computing applied to radio interferometry**.

Professional Memberships

International Astronomical Union (IAU) , Junior member 18734	2018-present
Royal Astronomical Society (RAS) , Member	2021-present

Funding

Col of **DUSTBUSTERS**, "Dust and gas in planet forming discs". Funded by the European Commission, Horizon 2020, H2020-MSCA-RISE-2018 grant 823823. Total funded amount: EUR 639,400. 2019-2023

Col of **Planet Formation Witnesses and Probes: Transition Discs**, panel "Solids and gas evolution in disks: observational constraints". Funded by the German Research Foundation, grant FOR 2634, [website](#) 2017-2021

PI of **Amazon Web Services** credits for a proof-of-concept study of a data analysis pipeline (\$500). 2019-2020

Observing and Computing program

ALMA: **3 proposals** as PI (18hrs) and **19 proposals** as Col (tot. >120hrs) in Cycles 7, 6, 5 and 4.

VLA: **3 proposals** as PI, **111hrs** top-ranked 2019A-2020B; **9 proposals** as Col, **240hrs** 2016A-2020B.

LRZ cluster: As PI: **700k CPU-hours**, "Dust evolution in protoplanetary disks" (2015, 2016).

Teaching and Supervision

Examiner: Ph.D. students, 1st Year Probationary review, IoA, University of Cambridge. 2019,2020

Teaching Assistant: University of Cambridge, *Astrophysical Fluid Dynamics*, Part II (3rd year) class. 2017

Invited Lecturer: "*Synthesis imaging in Radio Astronomy*", MSc Physics, University of Milan. 2018

Invited Lecturer: "*Radio interferometry and ALMA*", Msc and PhD courses, LMU Munich. 2016-2018

Ph.D. student mentoring (as 2nd supervisor):

- J. Jennings, University of Cambridge. 2018-2021
- C. Scardoni, University of Cambridge. 2019-2022

Undergraduate student mentoring (as 2nd supervisor):

- V. Pezzotta, University of Milan, Bachelor's Thesis 2019-2020
- K. Chen, University of Cambridge, Part III (Year 3) project 2019-2020
- G. Bettoni, University of Milan, Bachelor's Thesis 2018-2019

Professional Development

NRAO Advanced VLA Data Reduction Workshop , 10 days, Socorro, NM, USA.	10/2019
Supervising Graduate Students: Workshop for Supervisors , University of Cambridge, UK.	05/2019
Supervising Undergraduates: An Introduction , University of Cambridge, UK.	04/2019
Dignity and Respect at Work , University of Cambridge, UK.	04/2019
High Performance Computing: Programming GPU using OpenACC , University of Cambridge, UK.	02/2017
JAC/Mauna Kea Observatory, Hawaii . 5 nights observing with JCMT/HARP, SCUBA-2	06/2014
NRAO 14th Synthesis Imaging Workshop , 10 days, Socorro, USA.	05/2014

Institutional Service

Expert reviewer

- Observing Time Allocation Committees: ALMA (2019-2021);
- Research Grant schemes: FONDECYT Program, Chilean Ministry of Science;
- Research Fellowship schemes: UKRI Future Leaders Fellowships (UK).

Referee

- The Astrophysical Journal
- The Astrophysical Journal Letters,
- Astronomy & Astrophysics
- Monthly Notices of the Royal Astronomical Society,

Organizer of the first Excellence Cluster 'Universe' PhD Event, ESO, Garching, DE.	2015
Co-Organizer of the 2016 <i>ESO Science Day</i> , ESO, Garching, DE.	2016
Co-Organizer of two talks series at ESO: Informal Discussion, Star Formation Coffee.	2014-2016
Scientific Assistant : ESO Observing Proposals Committee, Periods 95, 97.	2014-2015
Founder of the <i>Code Corner</i> for informal discussions on coding expertise at the IoA, Cambridge.	2017-2018
Postdoctoral member of the Computing User Committee of the IoA, Cambridge.	2017-2018
Member of the ALMA Redesign of User eXperience (RedUX) project, ESO.	2020-2021

Public outreach

10/18: Seminar " <i>Planet formation caught in the act: the sub-mm view</i> ", Kavli Happy Hour talk, Cambridge.
11/17: Seminar " <i>From gaseous clouds to stars and planets: the path towards life</i> ", IoA, Cambridge.
11/15: Seminar " <i>The Beauty of the Universe</i> ", Darmstadt, DE.
08/15: Seminar " <i>What does our life have to do with stars?</i> ", Hotel Corona, Zoldo, IT.
01/13: Seminar " <i>Reflections on scientific research</i> ", Verbania, IT.
03/08: Seminar " <i>Light, Eyes, Meaning, the human experience of sight</i> ", L. Scientifico A. Oriani, Ravenna, IT.
03/07: Seminar on " <i>The Milky Way amid Science, History, and Art</i> ", L. Scientifico A. Oriani, Ravenna, IT.

Scientific Talks (32 in total, 8 invited talks, 4 invited reviews)

- 04/21: **[Invited talk]** Star & Planet formation Talk Series, MPA Heidelberg, DE
- 03/21: Wednesday Seminar, Institute of Astronomy, University of Cambridge, UK.
- 04/20: **[Invited review/declined]** Workshop “The building blocks of planets 20”, Ringberg Castle, DE.
- 11/19: **[Invited review]** Dept. Colloquium, Institute for Astronomy, University of Hawaii.
- 06/19: **[Invited review]** Symposium “Protoplanetary disks: the birth places of planets ”, EWASS 19, FR.
- 03/19: **[Invited talk]** Workshop “From the ISM to planet formation”, Menaggio, IT.
- 06/18: **[Invited review]** Workshop Jets & Disks @ INAF, Observatory of Rome.
- 06/18: Conference Cosmic Dust: origin, applications & implications, University of Copenhagen, DK.
- 03/18: Conference Star and planet formation in the Southwest, Biosphere 2 Center, Tucson, US.
- 12/17: **[Invited talk]** Milan Christmas Workshop, University of Milan, IT.
- 11/17: Conference The origin of galaxies, stars, and planets in the era of ALMA, Caltech, Pasadena CA, US.
- 11/17: IV Workshop on the millimetre Astronomy in IT, CNR Bologna, IT.
- 07/17: **[Invited talk]** Disk Formation Workshop Leiden Observatory, Netherlands.
- 06/17: Protoplanetary disks and planet formation and evolution workshop, MIAPP, Munich, DE.
- 01/17: 1st Cambridge Exoplanet Day, Trinity College, University of Cambridge, UK.
- 12/16: **[Invited talk]** Fruits of the Universe Talk, Excellence Cluster *Universe*, Garching, DE.
- 11/16: Wednesday Seminar, Institute of Astronomy, University of Cambridge, UK.
- 06/16: **[Invited talk]** Workshop “Origins of Habitable Planets”, Gothenburg Center for Advanced Studies, Sweden.
- 01/16: “ESO Science Day 2016” Workshop, ESO, Garching, DE.
- 01/16: **[Invited talk]** Workshop “Astrochemistry with ALMA Cycle 4”, Observatoire de Bordeaux, FR.
- 10/15: **[Poster prize talk]** “From clouds to protoplanetary disks: the astrochemical link”, Max-Planck G. Harnack House, Berlin, DE.
- 09/15: Informal Discussion, ESO, Garching, DE.
- 09/15: 5th Workshop of the Italian Astrobiology Society “Life in a Cosmic context”, SISSA, Trieste, IT.
- 07/15: Workshop “Excellence Cluster ‘Universe’ Research Area Day”, MPE, Garching, DE.
- 06/15: **[Invited talk]** “Radio and Geoastronomy Lunch Talk”, Harvard-Smithsonian CfA, Cambridge, MA, US.
- 04/15: Workshop “15 Excellence Cluster PhD Event”, ESO, Garching, DE.
- 04/15: “2nd Jets and Disks @ Inaf (JEDI) Workshop”, INAF-Napoli, IT.
- 03/15: “Transition disks Workshop”, Lorentz Center, Leiden, the Netherlands.
- 12/14: “Milan Christmas Workshop”, University of Milan, Milan, IT.
- 05/14: Excellence Cluster ‘Universe’, Garching, DE.
- 01/14: “II Star and Planet formation Workshop”, ESO, Garching, DE.
- 12/13: “1st JEDI Workshop: disks, jets and the dawn of planets”, INAF-Roma, IT.

Academic Transcripts

Note on the Italian University grading system:

- In each class, students are graded on a scale ranging from 0 to 30 with 18 as passing mark.
- Weights (CFUs) measure the amount of study necessary to carry out the class. Typically 1 CFU corresponds to 25 hours of study (incl. lessons, supervisions, home study). A Bachelor's Degree in Physics requires 180 CFUs. A Master's Degree in Physics requires 120 CFUs.
- Degrees are awarded after acquiring the necessary CFUs and successfully defending a research thesis.
- Final degree grades range from 0 to 110 with 66 as passing mark.
- "Cum laude" mentions are special distinctions that may be added to the highest grades.

Laurea Magistrale (Master's Degree) in Astrophysics

Università degli Studi di Milano, IT

Thesis Advisors: Prof. Giuseppe Lodato, Prof. Giuseppe Bertin

Thesis Title: *Evolution of gaseous discs during the merger of SMBH binaries.*

Final grade: 110/110 cum Laude

03/2011 – 07/2013

Final avg. class grade: 29.6/30

Course (Italian official name)	Contents	Final Score	Weight (CFU)
Astrofisica Nucleare Relativistica 1	Stellar Structure and Evolution	30/30	6
Astrofisica Nucleare Relativistica 2	Compact Objects	30/30	6
Astrofisica Teorica 1	Dynamics of Spiral Galaxies	30/30	6
Astrofisica Teorica 2	Dynamics of Elliptical Galaxies	30/30	6
Astronomia 1	Astronomy Fundamentals	30/30	6
Astronomia 2	Astronomy Fundamentals	30/30	6
Elettrodinamica Classica	Classical Electrodynamics	30/30	6
Fisica Cosmica 1	Astrophysical Fluids and Accretion Disks	26/30	6
Laboratorio di Ottica 1	Physics Lab: Astronomical Optics	30/30	6
Laboratorio di Strumentazione Spaziale 1	Radio and mm-wave Astronomy Lab	30/30	6
Laboratorio di Strumentazione Spaziale 2	Characterisation of a mm-wave antenna	30/30	6
Metodi Matematici della Fisica	Differential Equations	29/30	6
Final thesis and Degree Exam	Research	Approved	48

Laurea Triennale (Bachelor's Degree) in Physics

University of Milan, IT

Thesis Advisors: Prof. Giuseppe Bertin, Prof. Giuseppe Lodato

Thesis Title: *Equilibrium and stability of classical models of self-gravitating fluids in rotation.*

Final grade 110/110 cum Laude

10/2007 – 02/2011

Final avg. class grade: 29.7/30.

Course (Italian official name)	Contents	Final Score	Weight (CFU)
Analisi Matematica 1	Mathematical Analysis	30/30 cum laude	8
Analisi Matematica 2	Mathematical Analysis	30/30	7
Analisi Matematica 3	Mathematical Analysis	30/30	7
Fisica 1	Classical Mechanics	30/30	7
Fisica 2	Electrostatics and Magnetostatics	30/30	7
Fisica 3	Waves and Optics	30/30 cum laude	7
Fisica 4	Electromagnetism	30/30	7
Fisica 5	Thermodynamics	30/30	6
Geometria 1	Linear Algebra	30/30 cum laude	7
Laboratorio di Fisica 1	Physics Lab: Mechanics	30/30	5
Laboratorio di Fisica 2	Physics Lab: Waves	30/30	5
Laboratorio di Fisica 3	Physics Lab: Electromagnetism	30/30	5
Laboratorio di Fisica 4	Physics Lab: Optics	30/30	5
Laboratorio di Calcolo 1	Numerical Computation	30/30 cum laude	6
Laboratorio di Calcolo 2	Numerical Computation	30/30	7
Chimica 1	Chemistry	30/30	6
Fisica Moderna	Quantum Mechanics	30/30 cum laude	7
Meccanica Quantistica 1	Quantum Mechanics	30/30 cum laude	7
Metodi Matematici della Fisica 1	Complex Analysis	30/30	7
Struttura della Materia 1	Structure of Matter	28/30	7
Ist. di Fisica Nucleare e Subnucleare	Nuclear and Particle Physics	28/30	7
Meccanica Razionale 1	Analytical Mechanics and Special Relativity	30/30 cum laude	7
Introduzione alla Fisica dei Plasmi	Plasma Physics and Magnetohydrodynamics	28/30	6
Elementi di Fisica dei Continui	Fluid Dynamics	30/30 cum laude	6
Introduzione all'Astrofisica	Introduction to Astrophysics	28/30	6
Laboratorio di Ottica	Physics Lab: Fourier Optics	30/30 cum laude	6
Inglese 1	English	Approved	2
Inglese 2	English	Approved	2
Final thesis	Research	Approved	9

Full List of Publications

Metrics: 48 papers published in major peer-reviewed journals,


12 papers published in 2015-2017, 11 in 2018, 16 in 2019, 6 in 2020, 3 in 2021 (as of today).

Total number of citations: 2510 (from  [NASA ADS](#)).

h-index: 25

Total number of citations: 1968 (from  [Scopus](#)).

h-index: 23

Total number of citations: 1767 (from  [World of Science](#)).

h-index: 22

ORCID: <https://orcid.org/0000-0003-3590-5814>

Papers published in major-peer reviewed journals.....

Papers are numbered in chronological order, and shown from the most recent to the oldest one.

For each paper I report: title, authors list, journal name, year of publication, volume, first page, and number of citations indexed by the NASA ADS service.

Symbols: : link to the electronic online publisher article. : link to the ArXiv eprint PDF.

48.   *Rapid CO gas dispersal from NO Lup's class III circumstellar disc*
Lovell, J. B., Kennedy, G. M., Marino, S., Wyatt, M. C., Ansdell, M., Kama, M., Manara, C. F.,
Matrà, L., Rosotti, G., **Tazzari M.**, Testi, L., & Williams, J. P.
Monthly Notices of the Royal Astronomical Society (2021) 502 L66-L71
NASA ADS Citations: 0
47.   *High-resolution observations of molecular emission lines toward the CI Tau proto-planetary disc:
planet-carved gaps or shadowing?*
Rosotti, G. P., Ilee, J. D., Facchini, S., **Tazzari M.**, Booth, R. A., Clarke, C., & Kama, M.
Monthly Notices of the Royal Astronomical Society (2021) 501 3427-3442
NASA ADS Citations: 1
46.   *ALMA survey of Lupus class III stars: Early planetesimal belt formation and rapid disc dispersal*
Lovell, J. B., Wyatt, M. C., Ansdell, M., Kama, M., Kennedy, G. M., Manara, C. F., Marino, S.,
Matrà, L., Rosotti, G., **Tazzari M.**, Testi, L., & Williams, J. P.
Monthly Notices of the Royal Astronomical Society (2021) 500 4878-4900
NASA ADS Citations: 2
45.   *frankenstein: protoplanetary disc brightness profile reconstruction at sub-beam resolution with a
rapid Gaussian process*
Jennings, J., Booth, R. A., **Tazzari M.**, Rosotti, G. P., & Clarke, C. J.
Monthly Notices of the Royal Astronomical Society (2020) 495 3209-3232
NASA ADS Citations: 7
44.   *Demographics of disks around young very low-mass stars and brown dwarfs in Lupus (Corrigendum)*
Sanchis, E., Testi, L., Natta, A., Manara, C. F., Ercolano, B., Preibisch, T., Henning, T., Facchini,
S., Miotello, A., de Gregorio-Monsalvo, I., Lopez, C., Mužić, K., Pascucci, I., Santamaría-Miranda,
A., Scholz, A., **Tazzari M.**, van Terwisga, S., & Williams, J. P.
Astronomy and Astrophysics (2020) 638 C4
NASA ADS Citations: 1
43.   *The Evolution of Dust Disk Sizes from a Homogeneous Analysis of 1-10 Myr old Stars*
Hendler, N., Pascucci, I., Pinilla, P., **Tazzari M.**, Carpenter, J., Malhotra, R., & Testi, L.
The Astrophysical Journal (2020) 895 126
NASA ADS Citations: 17

42.   *Spirals inside the millimeter cavity of transition disk SR 21*
Muro-Arena, G. A., Ginski, C., Dominik, C., Benisty, M., Pinilla, P., Bohn, A. J., Moldenhauer, T., Kley, W., Harsono, D., Henning, T., van Holstein, R. G., Janson, M., Keppler, M., Ménard, F., Pérez, L. M., Stolker, T., **Tazzari M.**, Villenave, M., Zurlo, A., Petit, C., Rigal, F., Möller-Nilsson, O., Llored, M., Moulin, T., & Rabou, P.
Astronomy and Astrophysics (2020) 636 L4
NASA ADS Citations: **8**

41.   *Are inner disc misalignments common? ALMA reveals an isotropic outer disc inclination distribution for young dipper stars*
Ansdell, M., Gaidos, E., Hedges, C., **Tazzari M.**, Kraus, A. L., Wyatt, M. C., Kennedy, G. M., Williams, J. P., Mann, A. W., Angelo, I., Dûchene, G., Mamajek, E. E., Carpenter, J., Esplin, T. L., & Rizzuto, A. C.
Monthly Notices of the Royal Astronomical Society (2020) 492 572-588
NASA ADS Citations: **12**











40.   *Demographics of disks around young very low-mass stars and brown dwarfs in Lupus*
Sanchis, E., Testi, L., Natta, A., Manara, C. F., Ercolano, B., Preibisch, T., Henning, T., Facchini, S., Miotello, A., de Gregorio-Monsalvo, I., Lopez, C., Mužić, K., Pascucci, I., Santamaría-Miranda, A., Scholz, A., **Tazzari M.**, van Terwisga, S., & Williams, J. P.
Astronomy and Astrophysics (2020) 633 A114
NASA ADS Citations: **11**

















39.   *Detecting the halo heating from AGN feedback with ALMA*
Brownson, S., Maiolino, R., **Tazzari M.**, Carniani, S., & Henden, N.
Monthly Notices of the Royal Astronomical Society (2019) 490 5134-5146
NASA ADS Citations: **2**












38.   *Constraints on high-J CO emission lines in $z \sim 6$ quasars*
Carniani, S., Gallerani, S., Vallini, L., Pallottini, A., **Tazzari M.**, Ferrara, A., Maiolino, R., Cicone, C., Feruglio, C., Neri, R., D'Odorico, V., Wang, R., & Li, J.
Monthly Notices of the Royal Astronomical Society (2019) 489 3939-3952
NASA ADS Citations: **13**

















37.   *VLA cm-wave survey of young stellar objects in the Oph A cluster: constraining extreme UV- and X-ray-driven disk photoevaporation. A pathfinder for Square Kilometre Array studies*
Coutens, A., Liu, H. B., Jiménez-Serra, I., Bourke, T. L., Forbrich, J., Hoare, M., Loinard, L., Testi, L., Audard, M., Caselli, P., Chacón-Tanarro, A., Codella, C., Di Francesco, J., Fontani, F., Hogerheijde, M., Johansen, A., Johnstone, D., Maddison, S., Panić, O., Pérez, L. M., Podio, L., Punanova, A., Rawlings, J. M. C., Semenov, D., **Tazzari M.**, Tobin, J. J., van der Wiel, M. H. D., van Langevelde, H. J., Vlemmings, W., Walsh, C., & Wilner, D.
Astronomy and Astrophysics (2019) 631 A58
NASA ADS Citations: **2**







36.   *Compact Disks in a High-resolution ALMA Survey of Dust Structures in the Taurus Molecular Cloud*
Long, F., Herczeg, G. J., Harsono, D., Pinilla, P., **Tazzari M.**, Manara, C. F., Pascucci, I., Cabrit, S., Nisini, B., Johnstone, D., Edwards, S., Salyk, C., Menard, F., Lodato, G., Boehler, Y., Mace, G. N., Liu, Y., Mulders, G. D., Hendler, N., Ragusa, E., Fischer, W. J., Banzatti, A., Rigliaco, E., van de Plas, G., Dipierro, G., Gully-Santiago, M., & Lopez-Valdivia, R.
The Astrophysical Journal (2019) 882 49
NASA ADS Citations: **56**

35.   *Observational constraints on dust disk sizes in tidally truncated protoplanetary disks in multiple systems in the Taurus region*
Manara, C. F., **Tazzari M.**, Long, F., Herczeg, G. J., Lodato, G., Rota, A. A., Cazzoletti, P., van der Plas, G., Pinilla, P., Dipierro, G., Edwards, S., Harsono, D., Johnstone, D., Liu, Y., Menard, F., Nisini, B., Ragusa, E., Boehler, Y., & Cabrit, S.
Astronomy and Astrophysics (2019) 628 A95
NASA ADS Citations: **25**
34.   *The time evolution of dusty protoplanetary disc radii: observed and physical radii differ*
Rosotti, G. P., **Tazzari M.**, Booth, R. A., Testi, L., Lodato, G., & Clarke, C.
Monthly Notices of the Royal Astronomical Society (2019) 486 4829-4844
NASA ADS Citations: **29**
33.   *A dust and gas cavity in the disc around CQ Tau revealed by ALMA*
Ubeira Gabellini, M. G., Miotello, A., Facchini, S., Ragusa, E., Lodato, G., Testi, L., Benisty, M., Bruderer, S., T. Kurtovic, N., Andrews, S., Carpenter, J., Corder, S. A., Dipierro, G., Ercolano, B., Fedele, D., Guidi, G., Henning, T., Isella, A., Kwon, W., Linz, H., McClure, M., Perez, L., Ricci, L., Rosotti, G., **Tazzari M.**, & Wilner, D.
Monthly Notices of the Royal Astronomical Society (2019) 486 4638-4654
NASA ADS Citations: **10**
32.   *The newborn planet population emerging from ring-like structures in discs*
Lodato, G., Dipierro, G., Ragusa, E., Long, F., Herczeg, G. J., Pascucci, I., Pinilla, P., Manara, C. F., **Tazzari M.**, Liu, Y., Mulders, G. D., Harsono, D., Boehler, Y., Ménard, F., Johnstone, D., Salyk, C., van der Plas, G., Cabrit, S., Edwards, S., Fischer, W. J., Hendler, N., Nisini, B., Rigliaco, E., Avenhaus, H., Banzatti, A., & Gully-Santiago, M.
Monthly Notices of the Royal Astronomical Society (2019) 486 453-461
NASA ADS Citations: **37**
31.   *An Inner Disk in the Large Gap of the Transition Disk SR 24S*
Pinilla, P., Benisty, M., Cazzoletti, P., Harsono, D., Pérez, L. M., & **Tazzari M.**
The Astrophysical Journal (2019) 878 16
NASA ADS Citations: **7**
30.   *High gas-to-dust size ratio indicating efficient radial drift in the mm-faint CX Tauri disk*
Facchini, S., van Dishoeck, E. F., Manara, C. F., **Tazzari M.**, Maud, L., Cazzoletti, P., Rosotti, G., van der Marel, N., Pinilla, P., & Clarke, C. J.
Astronomy and Astrophysics (2019) 626 L2
NASA ADS Citations: **25**
29.   *Revealing signatures of planets migrating in protoplanetary discs with ALMA multiwavelength observations*
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