

Giovanni Rosotti

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RESEARCH INTERESTS

Planet formation, accretion discs, planet-disc interaction and observational signatures of planets in discs, disc evolution and dispersal, photoevaporation, supermassive black hole mergers.

EMPLOYMENT AND EDUCATION

Sep 2022 - present	Associate Professor, University of Milan
Dec 2020 – Sep 2022	STFC Ernest Rutherford Fellow, University of Leicester
Jan 2019 – Dec 2020	NWO Veni fellow, Leiden University
May 2015 – Dec 2018	Research Associate, Institute of Astronomy, University of Cambridge
Sep 2014 – May 2015	Research Assistant, Institute of Astronomy, University of Cambridge
Nov 2011- May 2015	PhD student, LMU Munich. Date of the viva: 21/05/2015
Oct 2009 – Oct 2011	Master Degree in Astrophysics, University of Milan; 110/110 <i>cum laude</i>
Oct 2006 – Sep 2009	Bachelor Degree in Physics, University of Milan; 110/110 <i>cum laude</i>

GRANTS, SCHOLARSHIPS AND FUNDING

- **STFC Ernest Rutherford Fellowship (~£500k. Success rate: ~7%)**
- **Veni grant from NWO (Dutch Research Organisation) (€250k. Success rate: ~12%)**
- **Humboldt Fellowship for Postdoctoral Researchers (~€70k; declined. Success rate: ~25%)**
- International Max Planck Research School (IMPRS) PhD fellowship (total of €50k)
- Undergraduate bursary (University of Milan) as one of the best achieving students (total of €2k)
- Grants from Kavli foundation (£20k) and DFG Germany (€4k) to support conferences I organised
- STSM from COST action GWVerse (€1k)
- Telescope time: PI of 6 proposals on ALMA (55h total), including 1 *Director's Discretionary Time (DDT)* and 1 on JCMT (24h); Co-I on 18 proposals (370h total) on ALMA, of which 1 DDT and two Large Programs, and 11 on the VLT (309h total), of which 1 Large Program and 2 DDTs
- Supercomputer time: PI of 100k hours on C2PAP (Munich) and Co-I of 10.5M hours on UK DIRAC

CONFERENCES & SEMINARS

Conferences and seminars organised:

- SOC Chair for “Planet-forming Disks: From Surveys to Answers”, Leiden, Lorent Center, Oct 2021
- SOC Chair for Symposium S1 “Planet formation enters the observational era”, Leiden, EAS 2020
- SOC member for Cool Stars 21 splinter session “Accretion in Young and Cool Stars”, Toulouse, France
- IoA Wednesday seminar organiser (Sep 2017-Dec 2018)
- LOC Deputy chair of “The disc migration issue: from proto-planets to supermassive black holes”, May 2017, Cambridge
- Organiser of PhD school “Computational Astrophysics with GANDALF”, October 2015, Fresing, Germany
- USM/LMU Star Formation Coffee Organiser (2013-2014)

- Organiser of “Transitional discs in the ALMA era”, Garching, Germany, October 2013
- LOC member of “Planet formation and evolution 2012”, Munich, Germany, September 2012

Invited seminars:

UCL MSSL (Oct 2021), MPA Heidelberg (Apr 2021), Birmingham (Nov 2019), Leicester (Nov 2019), University of Michigan (May 2019), University of Hertfordshire (Apr 2018), DIAS Dublin (Oct 2017), Edinburgh (Mar 2017), ESO Germany (Mar 2017), Arcetri Obs. Italy (Oct 2016), Keele (Oct 2016), Leiden (Feb 2016), DAMTP Cambridge (Jan 2016), Bristol (Dec 2015)

Conference talks (selected):

- Invited review talk at [MIAPP workshop](#), Garching, Germany, Oct 2021
- Invited discussion leader at “[Threats from the surroundings](#)”, ESO, Germany, Nov 2020
- Invited talk for conference “[RUTD Transition discs](#)”, Munich, Germany, Oct 2020
- Invited talk for workshop “[Discs 2 planets](#)”, Rindberg, Germany, Sep 2019
- Invited review talk at “[Great barriers in planet formation](#)”, Palme Cove, Australia, July 2019
- Invited review talk for conference “[Planet-Forming Disks](#)”, Como, Italy, Mar 2019
- Invited review talk for conference “[Take a closer look: The innermost region of protoplanetary disks and its connection to the origin of planets](#)” at ESO, Germany, Oct 2018
- Invited lecture about “*Transition discs*” at [PhD school, Bad Honnef](#), Germany, Jun 2016
- Contributed talk at “PLATO Theory meeting” (Cambridge, UK, Dec 2018)
- Contributed talk at “Astrochemistry” (Pasadena, USA, Jul 2018)
- Contributed talk at “Exoplanets 2” (Cambridge, UK, Jul 2018)
- Contributed talk at “Numerical simulations of planet-disc interactions” (Cuernavaca, Mexico, Nov 2017)
- Contributed talk at “Planet formation and evolution 2017”, (Jena, Germany, Sep 2017)
- Contributed talk at “Planet formation and evolution” (Garching, Germany, Jun 2017)
- Contributed talks at the UK Exoplanet meeting 2015, 2017, 2018
- Contributed talk at “Star formation 2016” (Exeter, UK, Aug 2016)
- Contributed talk at “Resolving planet formation in the era of ALMA and extreme AO” (Santiago, Chile, May 2016)
- Contributed talk at “Exoplanets in Lund” (Lund, Sweden, May 2015)
- Contributed talk at “The evolution of transition discs” (Leiden, Netherlands, Mar 2015)
- Contributed talk at “The early life of stellar clusters” (Copenhagen, Denmark, Nov 2014)
- Contributed talk at “The formation of the Solar System” (Bonn, Germany, May 2014)
- Contributed talk at “Planet formation and evolution 2012” (Munich, Germany, Sep 2012)

TEACHING

Classes

2016 - 2018	Supervisor for “Astrophysical Fluid Dynamics”, University of Cambridge
2011 – 2014	Tutor of “The Formation and Evolution of Planets in Protoplanetary Discs”, LMU
2008- 2009	Tutor of the course “Numerical Calculations”, University of Milan

Supervision of research students

Master students: 10 students; the projects led to 6 publications. Alice Somigliana (ongoing), Francesco Zagaria (09/2019-07/2020; [results in 2 papers](#), 1 under review and 1 in press, arXiv: 2104.03022), Ardjan Sturm (09/2019-07/2020; [results published](#) in A&A, 643, A92), Mathijs van Bree (09/2019-07/2020), Chiara Scardoni (06/2018-05/2019; [results published](#) in MNRAS, 492, 1318); Catriona Sinclair (10/2017-05/2018; [results published](#) in MNRAS, 493, 3535); Samuel Karlin (10/2017-05/2018); Jegug Ih (10/2016 – 05/2017; [results published](#) in MNRAS, 478, 2700); David Boer (10/2014-05/2015); Denis Mehmedov (jointly with Prof. Ercolano; 10/2013-09/2014)

Summer students: 5 students; the projects led to 3 publications. Elia Pizzati (2019), Francesco Zagaria (2018); Riccardo Barbieri (2017; results published in MNRAS, 496, 3060); Rosie Talbot (2017); Pooneh Nazari (jointly with Dr. Meru, 2016; results published in MNRAS, 482, 3678 and 485, 5914)

PhD students co-supervision: Pooneh Nazari (2019-present, Leiden), Leon Trapman (2019-2020, Leiden), Andrew Winter (2017-2019, Cambridge)

ACADEMIC SERVICE

- Referee for MNRAS, ApJ and A&A
- Member of the ESA mission Plato Science Work Package “*Influence of birth environment on the formation and evolution of planetary systems*”
- Member of the [Planet Formation Imager](#) (PFI) Science Working Group
- Member of the WEAVE-SCIP science team
- Developer of the hydrodynamical code [GANDALF](#); used so far in 6 accepted publications

OUTREACH

Aug 2018	Curator in the creation of the exhibition “Exoplanets” for the Meeting for Friendship Among Peoples, Rimini, Italy
July 2018	Presenter at Royal Society Summer Exhibition
Jun 2017	Curator of the astrophysical section of the scientific exhibition “Eureka! The unexpected in maths and science” for the London Encounter event
2010-2012	Science journalist for the on-line newspaper ilsussidiario.net
2007-2011	Taught lessons on astrophysical topics in various schools, from Nursery to High School, inside the project called “Alla scoperta del cielo lontano” of “Parco Valle Lambro” institution, Italy
2007-2011	Cooperated in creation and presented five scientific exhibitions for Euresis : Association for the Promotion of Scientific Endeavour, Milan, Italy

SKILLS

Programming languages: Python (advanced), C++ (advanced), Fortran (medium)

Languages: English (fluent), Italian (native speaker), German (conversational), Dutch (beginner)

REFERENCES

Prof. Cathie Clarke
Professor of Theoretical Astrophysics
Institute of Astronomy, University of Cambridge
E-mail: cclarke@ast.cam.ac.uk

Prof. Ewine van Dishoeck
Professor of Molecular Astrophysics and IAU President
Leiden Observatory, Leiden University
E-mail: ewine@strw.leidenuniv.nl

Prof. Barbara Ercolano
Professor of Theoretical Astrophysics
University Observatory, Ludwig-Maximilians University Munich
E-mail: ercolano@usm.lmu.de

Dr. Leonardo Testi
European ALMA Operations Manager
ESO Garching
E-mail: ltesti@eso.org

PUBLICATION LIST

67 refereed accepted papers, of which 13 as first author and 19 as second author. Total citations: 1638, h-index: 24 (source: NASA ADS, Nov 2021)

First author papers:

1. **Rosotti, G.**; Ilee, J.; Facchini, S.; Tazzari, M.; Booth, R.; Clarke, C.; Kama, M., *High-resolution observations of molecular emission lines toward the CI Tau proto-planetary disc: planet-carved gaps or shadowing?*, 2021, MNRAS, 501, 3427
2. **Rosotti, G.**; Teague, R.; Dullemond, C.; Booth, R.; Clarke, C., *The efficiency of dust trapping in ringed protoplanetary discs*, 2020, MNRAS, 495, 173
3. **Rosotti, G.**; Benisty, M.; Teague, R.; Juhasz A.; Clarke C.; Dominic C.; Dullemond C.; Klaassen P.; Matra L.; Stolker T., *Spiral arms in the proto-planetary disc HD100453 detected with ALMA: evidence for binary-disc interaction and a vertical temperature gradient*, 2020, MNRAS, 491, 1335
4. **Rosotti G.**; Booth R.; Tazzari M.; Clarke C.; Lodato G.; Testi L., *On the millimetre continuum flux-radius correlation of proto-planetary discs*, 2019, MNRAS letter, 486, 63
5. **Rosotti G.**; Tazzari M.; Booth R.; Testi L.; Lodato G.; Clarke C., *The time evolution of dusty protoplanetary disc radii: observed and physical radii differ*, 2019 MNRAS, 486, 4829
6. **Rosotti G.**, Clarke C., *The evolution of photo-evaporating viscous discs in binaries*, 2018 MNRAS, 473, 5630
7. **Rosotti G.**, Clarke C., Manara C., Facchini S., *The accretion efficiency of proto-planetary discs: Constraining disc evolution using accretion rates and disc mass measurements*, 2017 MNRAS, 468, 1631
8. **Rosotti G.**, Booth R., Clarke C., Teyssandier J., Facchini S., Mustill A., *The origin of the eccentricity of the hot Jupiter in CI Tau*, 2017 MNRAS letters, 464, 114
9. **Rosotti G.**, Juhasz A., Booth R., Clarke C., *“The minimum mass of detectable planets in protoplanetary discs and the derivation of planetary masses from high resolution observations”*, 2016 MNRAS, 459, 2790
10. **Rosotti G.**, Ercolano B., Owen J., *“The long-term evolution of photoevaporating transition discs with giant planets”*, 2015 MNRAS, 454, 2173
11. **Rosotti G.**, Dale J., de Juan Ovelar M., Hubber D., Kruijssen J. M. K., Ercolano B., Walch S., *“Protoplanetary disc evolution affected by star-disc interactions in young stellar clusters”*, 2014 MNRAS, 441, 2094
12. **Rosotti G.**, Ercolano B., Owen J., Armitage P., *“The interplay between X-ray photoevaporation and planet formation”*, 2013 MNRAS, 430, 1392
13. **Rosotti G.**, Lodato G., Price D., *“Response of a circumbinary accretion disc to black hole mass loss”*, 2012 MNRAS, 425, 1958

Second author papers and projects coming from students I supervised:

1. Tabone, B.; **Rosotti, G. P.**; Cridland, A. J.; Armitage, P. J.; Lodato, G., *Secular evolution of MHD wind-driven discs: analytical solutions in the expanded α -framework*, 2021 MNRAS in press
2. Winter, A. J.; **Rosotti, G. P.**; Clarke, C.; Giersz, M., *Forming short period sub-stellar companions in 47 Tuc: I. Dynamical model and brown dwarf tidal capture rates*, 2021 MNRAS in press
3. Zagaria, F.; **Rosotti, G. P.**; Lodato, G., *On dust evolution in planet-forming discs in binary systems - II. Comparison with Taurus and ρ Ophiuchus (sub-)millimetre observations: discs in binaries have small dust sizes*, 2021 MNRAS, 507, 2531
4. Toci, C.; **Rosotti, G.**; Lodato, G.; Testi, L.; Trapman, L., *On the secular evolution of the ratio between gas and dust radii in protoplanetary discs*, 2021 MNRAS, 507, 818
5. Miotello, A; **Rosotti, G. P.**; Ansdell, M.; Facchini, S.; Manara, C.F.; Williams, J; Bruderer, S., *Compact Disks: an explanation to faint CO emission in Lupus disks*, 2021 A&A, 651, A48
6. Zagaria, F; **Rosotti, G. P.**; Lodato, G., *On dust evolution in planet-forming discs in binary systems - I. Theoretical and numerical modelling: radial drift is faster in binary discs*, 2021 MNRAS, 504, 2235

7. Sturm, J. A.; **Rosotti, G. P.**; Dominik, C., *Dust dynamics in planet-driven spirals*, 2020 A&A, 643, A92
8. Gerosa, D; **Rosotti, G.**; Barbieri, R, *The Bardeen-Petterson effect in accreting supermassive black hole binaries: a systematic approach*, 2020 MNRAS, 496, 3060
9. Trapman, L.; **Rosotti, G.**; Bosman, A. D.; Hogerheijde, M. R.; van Dishoeck, E. F., *Observed sizes of planet-forming disks trace viscous spreading*, 2020, A&A, 640, A5
10. Scardoni, C. E.; **Rosotti, G. P.**; Lodato, G.; Clarke, C. J., *Type II migration strikes back - an old paradigm for planet migration in discs*, 2020 MNRAS, 492, 1318
11. Sinclair C., **Rosotti G.**, Juhasz A., Clarke C., *Planet gap-opening across stellar masses*, 2020 MNRAS, 493, 3535
12. Nazari P.; Booth, R.; Clarke, C.; **Rosotti, G.**; Tazzari, M; Juhasz, A.; Meru, F.; *Revealing signatures of planets migrating in protoplanetary discs with ALMA multiwavelength observations*, 2019 MNRAS, 485, 5914 (I was the supervisor of the student, P. Nazari)
13. Meru F.; **Rosotti G.**; Booth R.; Nazari P., Clarke C., *Is the ring inside or outside the planet?: The effect of planet migration on dust rings*, 2019, MNRAS, 482, 3678
14. Juhasz A., **Rosotti G.**, *Spiral arms in thermally stratified protoplanetary discs*, 2018 MNRAS, 474, L32
15. Ragusa E., **Rosotti G.**, Teyssandier J., Booth R., Clarke C., Lodato G., *Eccentricity evolution during planet-disc interaction*, 2018 MNRAS, 474, 4460
16. Hubber D., **Rosotti G.**, Booth R., *GANDALF - Graphical Astrophysics code for N-body Dynamics And Lagrangian Fluids*, 2018 MNRAS, 473, 1603
17. Ercolano B., **Rosotti, G.**, Picogna G., Testi L., *A photo-evaporative gap in the closest planet forming disc*, 2016 MNRAS letters, 464, 95
18. Manara C., **Rosotti, G.**, Testi L., Natta A., Alcalá J., Williams J., Ansdell M., Miotello A., van der Marel N., Tazzari M., Carpenter J., Guidi G., Mathews G., Oliveira O., Prusti T., van Dishoeck E., *“Evidence for a correlation between mass accretion rates onto young stars and the mass of their protoplanetary disks”*, 2016 A&A, 591, L3
19. Ercolano B., **Rosotti G.**, *“The link between disc dispersal by photoevaporation and the semimajor axis distribution of exoplanets”*, 2015 MNRAS, 450, 3008
20. Scicluna P., **Rosotti G.**, Dale J., Testi L., *“Old pre-main-sequence stars. Disc reformation by Bondi-Hoyle accretion”*, 2014 A&A, 566, L3
21. Winter A., Clarke C., **Rosotti G.**, Ih J., Facchini S., Haworth T., *Protoplanetary disc truncation mechanisms in stellar clusters: comparing external photoevaporation and tidal encounters*, 2018 MNRAS, 478, 2700 (the publication was an extension of the final year research project performed by my master student J. Ih)

Other papers:

1. Nealon, R.; Ragusa, E; Gerosa, D; **Rosotti, G.**; Barbieri, R., *The Bardeen-Petterson effect in accreting supermassive black-hole binaries: disc breaking and critical obliquity*, 2021 MNRAS in press
2. Jennings, J.; Booth, R.; Tazzari, M.; Clarke, C. J.; **Rosotti, G. P.**, *A super-resolution analysis of the DSHARP survey: Substructure is common in the inner 30 au*, 2021 MNRAS in press
3. Tazzari, M.; Clarke, C. J.; Testi, L.; Williams, J. P.; Facchini, S.; Manara, C. F.; Natta, A.; **Rosotti, G.**, *Multiwavelength continuum sizes of protoplanetary discs: scaling relations and implications for grain growth and radial drift*, 2021 Monthly Notices of the Royal Astronomical Society, 506, 2804
4. Izquierdo, A.; Testi, L.; Facchini, S.; **Rosotti, G.P.**; van Dishoeck, E., *The Disc Miner I: A statistical framework to detect and quantify kinematical perturbations driven by young planets in discs*, 2021 A&A, 650, A179
5. Manara, C.F et al (including **Rosotti, G.P.**), *PENELLOPE: the ESO data legacy program to complement the Hubble UV Legacy Library of Young Stars (ULLYSES) I. Survey presentation and accretion properties of Orion OB1 and σ -Orionis*, 2021 A&A, 650, A196

6. Trapman, L., Bosman, A. D., **Rosotti, G.**, Hogerheijde, M. R., & van Dishoeck, E. F. (2021), *CO isotopolog line fluxes of viscously evolving disks: cold CO conversion insufficient to explain observed low fluxes*, *A&A*, 649, A95
7. 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. (2021), *Rapid CO gas dispersal from NO Lup's class III circumstellar disc*, *Monthly Notices of the Royal Astronomical Society*, 502, L66
8. 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. (2021), *ALMA survey of Lupus class III stars: Early planetesimal belt formation and rapid disc dispersal*, *Monthly Notices of the Royal Astronomical Society*, 500, 4878
9. Wölfer, L., Facchini, S., Kurtovic, N. T., Teague, R., van Dishoeck, E. F., Benisty, M., Ercolano, B., Lodato, G., Miotello, A., **Rosotti, G.**, Testi, L., & Giulia Ubeira Gabellini, M. (2021), *A highly non-Keplerian protoplanetary disc: Spiral structure in the gas disc of CQ Tau*, *A&A*, 648, A19
10. Ginski, C., Ménard, F., Rab, C., Mamajek, E. E., van Holstein, R. G., Benisty, M., Manara, C. F., Asensio Torres, R., Bohn, A., Birnstiel, T., Delorme, P., Facchini, S., Garufi, A., Gratton, R., Hogerheijde, M., Huang, J., Kenworthy, M., Langlois, M., Pinilla, P., Pinte, C., Ribas, Á., **Rosotti, G.**, Schmidt, T. O. B., van den Ancker, M., Wahhaj, Z., Waters, L. B. F. M., Williams, J., & Zurlo, A. (2020), *Disk Evolution Study Through Imaging of Nearby Young Stars (DESTINYs): A close low-mass companion to ET Cha*, *Astronomy and Astrophysics*, 642, A119
11. Tychoniec, Ł., Manara, C. F., **Rosotti, G. P.**, van Dishoeck, E. F., Cridland, A. J., Hsieh, T.-H., Murillo, N. M., Segura-Cox, D., van Terwisga, S. E., & Tobin, J. J. (2020), *Dust masses of young disks: constraining the initial solid reservoir for planet formation*, *Astronomy and Astrophysics*, 640, A19
12. Jennings, J., Booth, R. A., Tazzari, M., **Rosotti, G. P.**, & Clarke, C. J. (2020), *frankenstein: protoplanetary disc brightness profile reconstruction at sub-beam resolution with a rapid Gaussian process*, *Monthly Notices of the Royal Astronomical Society*, 495, 3209
13. Frasca, A., Manara, C. F., Alcalá, J. M., Biazzo, K., Venuti, L., Covino, E., **Rosotti, G.**, Stelzer, B., & Fedele, D. (2020), *ISO-Chal 52: a weakly accreting young stellar object with a dipper light curve*, *Astronomy and Astrophysics*, 639, L8
14. Manara, C. F., Natta, A., **Rosotti, G. P.**, Alcalá, J. M., Nisini, B., Lodato, G., Testi, L., Pascucci, I., Hillenbrand, L., Carpenter, J., Scholz, A., Fedele, D., Frasca, A., Mulders, G., Rigliaco, E., Scardoni, C., & Zari, E. (2020), *X-shooter survey of disk accretion in Upper Scorpius. I. Very high accretion rates at age > 5 Myr*, *Astronomy and Astrophysics*, 639, A58
15. Somigliana, A.; Toci, C.; Lodato, G.; **Rosotti, G.**; Manara, C. F., *Effects of photoevaporation on protoplanetary disc 'isochrones'*, 2020 *MNRAS*, 492, 1120
16. Sanchis, E.; Picogna, G.; Ercolano, B.; Testi, L.; **Rosotti, G.**, *Detectability of embedded protoplanets from hydrodynamical simulations*, 2020 *MNRAS*, 492, 3440
17. Comerford, T. A. F.; Izzard, R. G.; Booth, R. A., **Rosotti, G.**, *Bondi-Hoyle-Lyttleton accretion by binary stars*, 2020, *MNRAS*, 490, 5196
18. Winter, A.; Clarke, C.; **Rosotti, G.**; Hacar, A.; Alexander, R., *A solution to the proplyd lifetime problem*, 2019, *MNRAS*, 490, 5478
19. Ubeira Gabellini, M. et al (including **Rosotti, G.**), *A dust and gas cavity in the disc around CQ Tau revealed by ALMA*, 2019, *MNRAS*, 486, 4638
20. 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., *High gas-to-dust size ratio indicating efficient radial drift in the mm-faint CX Tauri disk*, 2019, *A&A*, 626, L2
21. Keppler, M.; Teague, R.; Bae, J.; Benisty, M.; Henning, T.; van Boekel, R.; Chapillon, E.; Pinilla, P.; Williams, J. P.; Bertrang, G. H. -M.; Facchini, S.; Flock, M.; Ginski, Ch.; Juhasz, A.; Klahr, H.; Liu, Y.; Müller, A.; Pérez, L. M.; Pohl, A.; **Rosotti, G.** Samland, M.; Semenov, D., *Highly structured disk around the planet host PDS 70 revealed by high-angular resolution observations with ALMA*, 2019, *A&A*, 625, 118
22. Winter A; Clarke C.; **Rosotti G.**, *External photoevaporation of protoplanetary discs in Cygnus OB2: linking discs to star formation dynamical history*, 2019 *MNRAS*, 485, 1489
23. Clarke C., Tazzari, M., Juhasz, A., **Rosotti, G.**, Booth R., Facchini S., Ilee J., Johns-Krull C., Kama M., Meru F., Prato L., *High-resolution Millimeter Imaging of the CI Tau Protoplanetary Disk: A Massive Ensemble of Protoplanets from 0.1 to 100 au*, 2018 *ApJ*, 866, L6

24. Jennings J., Ercolano B., **Rosotti G.**, *The comparative effect of FUV, EUV and X-ray disc photoevaporation on gas giant separations*, 2018 MNRAS, 477, 4131
25. Manara C., Prusti T., Comeron F., Mor R., Alcalá J., Antoja T., Facchini S., Fedele D., Frasca A., Jerabkova T., **Rosotti G.**, Spezzi L., Spina L., *Gaia DR2 view of the Lupus V-VI clouds: The candidate diskless young stellar objects are mainly background contaminants*, 2018 A&A, 615, L1
26. Winter A., Clarke C., **Rosotti G.**, Booth R., *Protoplanetary Disc Response to Distant Tidal Encounters*, 2018 MNRAS, 475, 2314
27. Ercolano B., Jennings J., **Rosotti G.**, Birnstiel T., *“Photoevaporation’s limited success in the formation of planetesimals by the streaming instability”*, 2017 MNRAS, 472, 4117
28. Meru F., Juhasz A., Ilee J., Clarke C., **Rosotti G.**, Booth R., *“On the origin of the disc morphology around Elias 2-27”*, 2017 ApJ Letters, 839, 24
29. Facchini S., Manara C., Schneider C., Clarke C., Bouvier J., **Rosotti G.**, Booth R., Haworth T., *“The violent environment of the inner disk of RW Aur A probed by the 2010 and 2015 dimming events”*, 2016 A&A, 596, 38
30. Gerosa G., Veronesi B., Lodato G., **Rosotti G.**, *“Spin alignment and differential accretion in merging black hole binaries”*, 2015 MNRAS, 451, 3941
31. Miotello A., Testi L., Lodato G., Ricci L., **Rosotti G.**, Brooks K., Maury A., Natta A., *“Grain growth in the envelopes and disks of Class I protostars”*, 2014 A&A, 567, A32
32. Manara, C., Testi, L., Natta, A., **Rosotti G.**, Benisty, M., Ercolano, B., Ricci, L., *“On the gas content of transitional disks: a VLT/X-Shooter study of accretion and winds”*, 2014 A&A, 568, A18
33. Ercolano B., Mayr D., Owen J., **Rosotti G.**, Manara C., *“The signature of X-ray photoevaporation of discs in the Mstar-Mdot relation of pre-main sequence stars”*, 2014 MNRAS, 436, 259