

# Dr. Paola Pinilla

## PERSONAL DATA

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CURRENT LOCATION: Planet and Star Formation Department, MPIA.  
WORK ADDRESS: Königstuhl 17, D-69117 Heidelberg, Germany.  
TELEPHONE NUMBER: +49 6221 528263  
EMAIL: [pinilla@mpia.de](mailto:pinilla@mpia.de)  
WEBPAGE: <http://www2.mpia-hd.mpg.de/~pinilla/>

## EDUCATION

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JUL. 2010 **Ph. D. in Astrophysics**, ITA, University of Heidelberg, Germany.  
JUL. 2013 Advisor: Prof. Dr. Cornelis P. Dullemond.  
Thesis: "Testing models of dust evolution in protoplanetary disks with millimeter observations"  
  
SEP. 2007 **M. Sc. in Physics**, Universidad de los Andes, Colombia.  
SEP. 2009 Advisor: Prof. Dr. Jagdish Rai Luthra.  
Thesis: "Geometric representation and quantum entanglement in multiple-qubit systems"  
  
JAN. 2003 **B. Sc. in Physics, academic option in Mathematics**,  
SEP. 2007 Universidad de los Andes, Colombia.  
Advisor: Prof. Dr. Alonso Botero.  
Thesis: "Chaotic movement of a charged particle in the Earth's magnetotail"

## PROFESSIONAL EXPERIENCE

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TWO BREAKS DUE TO THE BIRTH OF MY CHILDREN

AUG. 2022 **Associate Professor**, MSSL/UCL, UK.  
  
JUN. 2019 **Research Group Leader**, MPIA, Germany.  
JUN. 2022  
NOV. 2016 **NASA Hubble Fellow**, Steward Observatory, University of Arizona, USA.  
MAY. 2019  
SEP. 2013 **Postdoctoral Researcher**, Sterrewacht, Leiden University, The Netherlands.  
OCT. 2016  
JUL. 2010 **Graduate Student**, University of Heidelberg, Germany.  
JUL. 2013  
MAY 2010 **Summer Intern Student**, European Southern Observatory (ESO), Germany.  
JUL. 2010

## REFEREED JOURNAL PUBLICATIONS

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H-INDEX: 38, TOTAL CITATIONS: ~ 4200, YEAR OF FIRST PUBLICATION: 2012

<b>First Author Publications</b>	21
<b>Second/Third Author publications</b>	28
(10 from direct supervision of Ph.D. projects)	
<b>Other Co-author Publications</b>	38
<b>Total Publications (May 2021)</b>	87

## STUDENTS SUPERVISION

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- APR. 2021 Supervision of a bachelor project, student: Leon Marx.  
AUG. 2021 University of Heidelberg, Germany.
- NOV. 2020 Supervision of a master thesis, student: Jochen Stadler.  
NOV. 2021 University of Heidelberg, Germany.
- MAY. 2020 Supervision of a bachelor project, student: Max Ackermann.  
JUL. 2020 University of Heidelberg, Germany.
- SEP. 2019 Supervision of a PhD project, student: Timmy Delage.  
AUG. 2023 MPIA, Germany.
- SEP. 2019 Supervision of a PhD project, student: Nicolás T. Kurtovic.  
AUG. 2023 MPIA, Germany.
- JAN. 2018 Co-supervision of a PhD project, student: Feng Long.  
DEC. 2018 Pekin University, *Primary advisor: Prof. Gregory Herczeg*, China.
- JAN. 2017 Co-supervision of a PhD project, student: Michael Hammer.  
NOW University of Arizona, *Primary advisor: Prof. Kaitlin Kratter*, USA.
- MAY. 2017 Co-supervision of a PhD project, student: Nathan Hendler.  
MAY. 2020 University of Arizona, *Primary advisor: Prof. Ilaria Pascucci*, USA.
- AUG. 2014 M.Sc. Research project supervision, student: Nicola Kroon.  
AUG. 2015 Leiden University, The Netherlands.
- OCT. 2014 Co-supervision of a PhD project, student: Giovanni Dipierro.  
APR. 2015 University of Milan, *Primary advisor: Prof. Giuseppe Lodato*, Italy.
- JUN. 2014 Summer Research project supervision (LEAPS program), student: Aoife Boyle  
AUG. 2014 Leiden University, The Netherlands.
- OCT. 2013 M.Sc. research project supervision, student: Roman Tatch.  
AUG. 2014 Leiden University, The Netherlands.
- OCT. 2012 Co-supervision of a PhD project, student: Maria de Juan Ovelar.  
AUG. 2013 Leiden University, *Primary advisor: Prof. Christoph Keller*, The Netherlands.
- OCT. 2012 M.Sc. research project co-supervision, student: Adriana Pohl.  
OCT. 2013 University of Heidelberg, Germany.

## TEACHING EXPERIENCE

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- OCT. 2020 Lecturer of Experimental Physics I  
FEB. 2021 University of Heidelberg, Germany.
- OCT. 2019 Lecturer of the IMPRS Seminar  
FEB. 2020 University of Heidelberg, Germany.
- APR. 2019 Invited Lecture: Topics on Astronomical Research.  
University of Arizona, USA.
- APR. 2017 Invited Lecture on Research Ethics, Class: Advanced Extra Galactic Astronomy.  
University of Arizona, USA.

- MAR. 2017 Lecture on Planet Formation, Class: Natural Sciences- Stars & Planets.  
University of Arizona, USA.
- APR. 2011 Teaching Assistant, 2 hours per week, Class: Observational Astronomy.  
AUG. 2011 University of Heidelberg, Germany.
- SEP. 2009 Part-time Lecturer, 14 hours per week, Different Practice Classes in Physics.  
MAY 2010 Universidad de los Andes, Colombia.
- SEP. 2007 Graduate Teaching Assistant, 8 hours per week, Different Practice Classes in Physics.  
SEP. 2009 Universidad de los Andes, Colombia.

## OBSERVATIONAL EXPERIENCE

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- Principal Investigator of Accepted Proposals for: ALMA, VLT/SPHERE, PdBI.
- Co-Investigator of Accepted Proposals for JWST, ALMA, HST, PdBI, CARMA, VLT/NACO, VLT/SPHERE, VLT/CRIRES, VLT/X-SHOOTER, VLA, LBT, ATCA.

## SELECTED HONORS AND AWARDS

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- Approved NINS-DAAD program for International Personal Exchange between Japan and Germany (25000EUR).
- Ludwig Biermann Award 2020 from the German Astronomical Society.
- Max Planck Research Group Grant, up to 2 million euros (*declined*)
- Accepted 2 DFG Grants within the collaboration FOR 2634 (co-applicant).
- Approved Lorentz Center Workshop (25000EUR), PIs: Giovanni Rosotti & Paola Pinilla
- Member of the Elisabeth-Schiemann-Kolleg from MPG.
- Sofja Kovalevskaja Award, 2018, Alexander von Humboldt Foundation.  
One of the most valuable academic awards in Germany: up to 1.6 million euros.
- Faculty position offers (*declined*): Universidad Diego Portales, Chile (2016), University of Florida, USA (2018), and California State University Northridge, USA (2018).
- NASA Hubble Fellowship 2016.
- ESO (3 years) and CITA (5 years) fellowships 2016 (*declined*).
- NRAO Grant (10000 USD): to organize the conference “Star and Planet Formation (SPF2) in the South-West”, March 2018.
- NOVA Grant (2000 EUR): to organize a Lorentz workshop, March 2015.
- Patzer Prize for one of the best publications by a young scientist at MPIA/ZAH in 2012.
- Graduate Research Fellowship, International Max Planck Research School, Germany.

## SERVICE

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- Initiator and organizer of the Lorentz workshop: “Planet-forming Disks: From Surveys to Answers”, September 2021, Leiden, the Netherlands.
- Member of the MPIA working group “Workplace Culture & Environment”.

- Initiator, organizer, co-chair, and SOC member of the conference: “Star and Planet Formation (SPF2) in the South-West”, Biosphere 2 Center, March 2018, Arizona, USA.
- SOC member of the conference “Space Studies of the Earth-Moon System, Planets, and Small Bodies of the Solar System”, at the 42nd COSPAR Scientific Assembly, July 2018, Pasadena, California, USA.
- Initiator, SOC member, and co-chair of the Lorentz workshop: “Transition Disks and Planet Formation”, Leiden Observatory, March 2015, The Netherlands.
- Referee for: Nature, Nature Astronomy, ApJ, ApJL, A&A (papers and letters), MNRAS, PASJ, RMxAA, Planetary and Space Science (Elsevier), and Astrophysics and Space Science (Springer). I referee in average  $\sim 6$  papers/year.
- Other services: Panel member for the Cycle 1 Time Allocation Committee (TAC) of JWST. Panelist for the Emerging Worlds Program (NASA). Reviewer of grant proposals for: (a) NASA Exoplanets Research Program (XRP), (b) Natural Sciences and Engineering Research Council of Canada (NSERC), (c) National Commission for Scientific and Technological Research (CONICYT), (d) French National Research Agency (ANR), (e) Distributed Research utilizing Advanced Computing (DIRAC), (f) Future Investigators in NASA Earth and Space Science and Technology (FINESST), and (g) The Stephen Hawking Fellowship.
- PhD reading committee, student: Paolo Cazzoletti. Leiden Observatory, The Netherlands (2019). PhD reading committee, student: Leon Trapman. Leiden Observatory, The Netherlands (2020). PhD thesis committee, student: Nathan Hendler. LPL/University of Arizona, The USA (2017-2020).

## SELECTED TALKS IN THE LAST TWO YEARS

(TOTAL NUMBER OF TALKS IN THE LAST 9 YEARS:  $\sim 100$ )

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MAY 2021	<i>(invited/virtual)</i> Two workshops in the JAO/ALMA Colloquium, Chile.
MAY 2021	<i>(invited/virtual/Spanish)</i> Coloquio Universidad de los Andes, Colombia.
MAR. 2021	<i>(invited/virtual/Spanish)</i> Hablemos del Universo Planetario de Bogotá, Colombia.
MAR. 2021	<i>(invited/virtual/Spanish)</i> Women in STEM: Ciencia, mujer y tecnología 2021, Colombia.
JAN. 2021	<i>(virtual)</i> Planet and Star Formation Seminar, Heidelberg, Germany.
DEC. 2020	<i>(invited/virtual)</i> 5 Years after HLTau: A new era in planet formation, Chile.
OCT. 2020	<i>(invited/virtual)</i> RUDT Conference, Germany.
SEP. 2020	<i>(virtual)</i> Astronomische Gesellschaft Meeting 2020, Germany.
MAY 2020	<i>(invited/virtual)</i> Star formation seminar, DIAS, Ireland.
APR. 2020	<i>(invited/virtual)</i> Building the Blocks of Planets Workshop, Germany.
APR. 2020	<i>(virtual)</i> Planet Formation Group meeting at ITA, Heidelberg, Germany.
FEB. 2020	Planet and Star Formation Seminar, Heidelberg, Germany.
FEB. 2020	Impostor Syndrome in the Astronomical Community Workshop, Heidelberg, Germany.
NOV. 2019	<i>(invited)</i> Sofja Kovalevskaja Workshop, Berlin, Germany.
NOV. 2019	<i>(invited)</i> Heidelberg Joint Astronomical Colloquium, Heidelberg, Germany.
OCT. 2019	Ethics in Astrophysics Workshop - PSF retreat, Schöntal, Germany.
SEP. 2019	Königstuhl Colloquium at MPIA, Heidelberg, Germany.
SEP. 2019	<i>(invited)</i> Annual Meeting of the German Astronomical Society, Stuttgart, Germany.
SEP. 2019	<i>(invited)</i> From protoplanetary discs to planetary systems, Ringberg, Germany.
APR. 2019	Public Evening Lecture (in Spanish), University of Arizona, USA.
APR. 2019	<i>(invited)</i> Astronomy Colloquium, Leiden Observatory, The Netherlands.

APR. 2019 (*invited*) MacGillavry Fellowship Programme, Amsterdam, The Netherlands.  
MAR. 2019 (*invited*) CITA/ICAT Seminar, Toronto, Canada.  
MAR. 2019 Hubble Symposium, Baltimore, USA.  
MAR. 2019 (*invited*) Planet-Forming Disks, Como, Italy.

## REFERENCES

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Prof. Dr. Ewine van Dishoeck  
Sterrewacht, University of Leiden  
EMAIL: [ewine@strw.leidenuniv.nl](mailto:ewine@strw.leidenuniv.nl)

Prof. Dr. Andrew Youdin  
Steward Observatory, University of Arizona  
EMAIL: [youdin@email.arizona.edu](mailto:youdin@email.arizona.edu)

Prof. Dr. Carsten Dominik  
API, University of Amsterdam  
EMAIL: [dominik@uva.nl](mailto:dominik@uva.nl)

Dr. Leonardo Testi  
European Southern Observatory  
EMAIL: [ltesti@eso.org](mailto:ltesti@eso.org)

Prof. Dr. Daniel Apai  
Steward Observatory, University of Arizona  
EMAIL: [apai@email.arizona.edu](mailto:apai@email.arizona.edu)

Prof. Dr. Cornelis P. Dullemond  
ITA, University of Heidelberg  
EMAIL: [dullemond@uni-heidelberg.de](mailto:dullemond@uni-heidelberg.de)

Prof. Dr. Kaitlin Kratter  
Steward Observatory, University of Arizona  
EMAIL: [kkratter@email.arizona.edu](mailto:kkratter@email.arizona.edu)

Prof. Dr. Antonella Natta  
Dublin Institute for Advanced Studies  
EMAIL: [antonella.natta@gmail.com](mailto:antonella.natta@gmail.com)

Dr. Myriam Benisty  
IPAG, University of Grenoble Alpes  
EMAIL: [Myriam.Benisty@univ-grenoble-alpes.fr](mailto:Myriam.Benisty@univ-grenoble-alpes.fr)

Prof. Dr. Ilaria Pascucci  
LPL, University of Arizona  
EMAIL: [pascucci@lpl.arizona.edu](mailto:pascucci@lpl.arizona.edu)

# List of Publications of Dr. Paola Pinilla

h-index: 38, total citations:  $\sim$  4100, year of first publication: 2012

## FIRST AUTHOR PUBLICATIONS

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21. **Pinilla**, Kurtovic, Benisty, Manara, Natta, Sanchis, Tazzari, Stammer, Ricci, Testi.: *A bright inner disk and structures in the transition disk around the very low-mass star CIDA 1*, accepted for publication in A&A.
20. **Pinilla** & Lenz: *Growing and Trapping Pebbles with Fragile Collisions of Particles in Protoplanetary Disks*, A&A (2021), vol. 645, A70.
19. **Pinilla**, Pascucci, Marino: *Hints on the origins of particle traps in protoplanetary disks given by the  $M_{\text{dust}} - M_{\star}$  relation*, A&A (2020) vol. 635, A105
18. **Pinilla**, Benisty, Cazzoletti, Harsono, Pérez, Tazzari: *An Inner Disk in the Large Gap of the Transition Disk SR 245*, ApJ (2019) vol. 878, 16.
17. **Pinilla**, Benisty, de Boer, Manara, Bouvier, Dominik, Ginski, Loomis, Sicilia Aguilar: *Variable Outer Disk Shadowing Around the Dipper Star RX J1604.3-2130*, ApJ (2018) vol. 868, 85.
16. **Pinilla**, Natta, Manara, Ricci, Scholz, Testi: *Resolved millimeter-dust continuum cavity around the very low mass young star CIDA 1*, A&A (2018) vol. 615, A95.
15. **Pinilla**, Tazzari, Pascucci, Youdin, Garufi, Manara, Testi, van der Plas, Barenfeld, Canovas, Cox, Hendler, Pérez, van der Marel: *Homogeneous Analysis of the Dust Morphology of Transition Disks Observed with ALMA: Investigating dust trapping and the origin of the cavities*, ApJ (2018) vol. 859, 32.
14. **Pinilla**, Quiroga-Nuñez, Benisty, Natta, Ricci, Henning, van der Plas, Birnstiel, Testi, Ward-Duong: *Millimeter spectral indices and dust trapping by planets in brown dwarf disks*, ApJ (2017) vol. 846, 70.
13. **Pinilla** and Youdin: *Particle Trapping in Protoplanetary Disks: Models vs. Observations*, in: Pessah M., Gressel O. (eds.) *Formation, Evolution, and Dynamics of Young Solar Systems*. Astrophysics and Space Science Library, vol. 445. Springer, Cham.
12. **Pinilla**, Pohl, Stammer, Birnstiel: *Dust Density Distribution and Imaging Analysis of Different Ice Lines in Protoplanetary Disks*, ApJ (2017) vol. 845, 68.
11. **Pinilla**, Pérez, Andrews, van der Marel, van Dishoeck, Ataiee, Benisty, Birnstiel, Juhász, Natta, Ricci, and Testi: *A Multi-wavelength Analysis of Dust and Gas in the SR 245 Transition Disk*, ApJ (2017) vol. 839, 99.
10. **Pinilla**, Flock, de Juan Ovelar, and Birnstiel: *Can dead zones create structures like a transition disk?*, A&A (2016) vol. 596, A81.
9. **Pinilla**, Klarmann, Birnstiel, Benisty, Dominik, and Dullemond: *A tunnel and a traffic jam: How transition disks maintain a detectable warm dust component despite the presence of a large planet-carved gap*, A&A (2016) vol. 585, A35.
8. **Pinilla**, de Boer, Benisty, Juhász, de Juan Ovelar, Dominik, Avenhaus, Birnstiel, Girard, Huelamo, Isella, and Milli: *Variability and dust filtration in the transition disk J160421.7-213028 observed in optical scattered light*, A&A (2015) vol. 584, L4.
7. **Pinilla**, van der Marel, Pérez, van Dishoeck, Andrews, Birnstiel, Herczeg, Pontoppidan, and van Kempen: *Testing particle trapping in transition disks with ALMA*, A&A (2015) vol. 584,

A16.

6. **Pinilla**, Birnstiel, and Walsh: *Sequential planet formation in the HD 100546 protoplanetary disk?*, A&A (2015) vol. 580, A105.
5. **Pinilla**, de Juan Ovelar, Ataiee, Benisty, Birnstiel, van Dishoeck, and Min: *Gas and dust structures in protoplanetary disks hosting multiple planets*, A&A (2015) vol. 573, A9.
4. **Pinilla**, Benisty, Birnstiel, Ricci, Isella, Natta, Dullemond, Quiroga-Nuñez, Henning, and Testi: *Millimetre spectral indices of transition disks and their relation to the cavity radius*, A&A (2014) vol. 564, A51.
3. **Pinilla**, Birnstiel, Benisty, Ricci, Natta, Dullemond, Dominik, and Testi: *Explaining millimeter-sized particles in brown dwarf disks*, A&A (2013) vol. 554, A95.
2. **Pinilla**, Benisty, and Birnstiel: *Ring shaped dust accumulation in transition disks*, A&A (2012) vol. 545, A81.
1. **Pinilla**, Birnstiel, Ricci, Dullemond, Uribe, Testi, and Natta: *Trapping dust particles in the outer regions of protoplanetary disks*, A&A (2012) vol. 538, A114.

## SECOND AND THIRD AUTHOR PUBLICATIONS

\* STUDENT SUPERVISION

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28. Kalyaan, **Pinilla**, Krijt, Mulders, Banzatti; *Linking Outer Disk Pebble Dynamics to Inner Disk Water Enrichment*, submitted to ApJ.
  27. \*Kurtovic, **Pinilla**, Long, Benisty, Manara, Natta, Pascucci, Ricci, Scholz, Testi: *Size and Structures of Disks around Very Low Mass Stars in the Taurus Star-Forming Region*, A&A (2021), vol. 645, A139.
  26. Long, **Pinilla**, Herczeg, Andrews, Harsono, Johnstone, Regusa, Pascucci, Wilner, Hendler, Jennings, Liu, Lodato, Menard, van der Plas, Dipierro: *Dual-wavelength ALMA Observations of Dust Rings in Protoplanetary Disks*, ApJ (2020) vol. 898, 36.
  25. \*Hendler, Pascucci, **Pinilla**, Tazzari, Carpenter, Malhotra, Testi: *The evolution of dust-disk sizes from a homogeneous analysis of 1-10 Myr-old stars*, ApJ (2020) vol. 895, 126.
  24. \*Hammer, **Pinilla**, Kratter, and Lin: *Observational diagnostics of elongated planet-induced vortices with realistic planet formation timescales*, MNRAS (2019) vol. 482, 3609.
  23. \*Long, **Pinilla**, Herczeg, Harsono, Dipierro, Pascucci, Hendler, Tazzari, Ragusa, Salyk, Edwards, Lodato, van de Plas, Johnstone, Liu, Boehler, Cabrit, Manara, Menard, Mulders, Nisini, Fischer, Rigliaco, Banzatti, Avenhaus, and Gully-Santiago: *Gaps and Rings in an ALMA Survey of Disks in the Taurus Star-forming Region*, ApJ (2018) vol. 869, 17.
  22. Garufi, Benisty, **Pinilla**, Tazzari, Dominik, Ginski, Henning, Kral, Langlois, Menard, Stolker, Szulagyi, Villenave, and van der Plas: *Evolution of protoplanetary disks from their taxonomy in scattered light: spirals, rings, cavities, and shadows*, A&A (2018) vol. 620, A94.
  21. Cazzoletti, van Dishoeck, **Pinilla**, Tazzari, Facchini, van der Marel, Benisty, Garufi, and Pérez: *Evidence for a massive dust-trapping vortex connected to spirals: a multi-wavelength analysis of the HD 135344B protoplanetary disk*, A&A (2018) vol.619, A161.
  20. Bae, **Pinilla**, and Birnstiel: *Diverse protoplanetary disk morphology produced by a Jupiter-mass planet*, ApJL (2018) vol. 864, L26.



19. Facchini, **Pinilla**, van Dishoeck, and de Juan Ovelar: *Determining giant planet masses from simultaneous mm continuum and line observations in (transition) disks*, A&A (2018) vol. 612, A104.
18. \*Hendler, **Pinilla**, Pascucci, Pohl, Mulders, Henning, Dong, Clarke, Owen, and Hollenbach: *A likely planet-induced gap in the disk around T Cha*, MNRAS (2018) vol. 475, L62.
17. Pohl, Benisty, **Pinilla**, Ginski, de Boer, Avenhaus, Henning, Zurlo, Boccaletti, Dominik, Facchini, Fedele, Janson, Keppler, Kral, Langlois, Ligi, Maire, Menard, Pinte, Quanz, Sauvage, Sezestre, Stolker, Szulagyi, van Boekel, and van der Plas: *The circumstellar disk HD 169142: gas, dust and planets acting in concert?*, ApJ (2017) vol. 850, 52.
16. Ricci, Rome, **Pinilla**, Facchini, Birnstiel, and Testi: *VLA Observations of the Disk Around the Young Brown Dwarf 2M0444*, ApJ (2017) vol. 846, 19.
15. van der Marel, Cazzoletti, **Pinilla**, and Garufi: *Vortices and Spirals in the HD135344B Transition Disk*, ApJ (2016) vol. 832, 178.
14. Ginski, Stolker, **Pinilla**, Dominik, Boccaletti, de Boer, Benisty, Biller, Feldt, Garufi, Keller, Kenworthy, Maire, Ménard, Mesa, Milli, Min, Pinte, Quanz, van Boekel, Bonnefoy, Chauvin, Desidera, Gratton, Girard, Keppler, Kopytova, Lagrange, Langlois, Rouan, and Vigan: *Direct detection of scattered light gaps in the transitional disk around HD 97048 with VLT/SPHERE*, A&A (2016) vol. 595, A112.
13. Kama, **Pinilla**, and Heays: *Spirals in protoplanetary disks from photon travel time*, A&A (2016) vol. 593, L20.
12. Pohl, Kataoka, **Pinilla**, Dullemond, Henning, and Birnstiel: *Investigating dust trapping in transition disks with millimeter-wave polarization*, A&A (2016) vol. 593, A12.
11. \*de Juan Ovelar, **Pinilla**, Min, Dominik, and Birnstiel: *Constraining turbulence mixing strength in transitional discs with planets using SPHERE and ALMA*, MNRAS (2016) vol. 459, L85-L89.
10. Hogerheijde, Bekkers, **Pinilla**, Salinas, Kama, Andrews, Qi, and Wilner: *Steepening of the 820  $\mu\text{m}$  continuum surface brightness profile signals dust evolution in TW Hydrae's disk*, A&A (2016) vol. 586, A99.
9. Banzatti, **Pinilla**, Ricci, Pontoppidan, Birnstiel, and Ciesla: *Direct Imaging of the Water Snow Line at the Time of Planet Formation using Two ALMA Continuum Bands*, ApJL (2015) vol. 815, L15.
8. Birnstiel, Andrews, **Pinilla**, and Kama: *Dust Evolution Can Produce Scattered Light Gaps in Protoplanetary Disks*, ApJL (2015) vol. 813, L14.
7. \*Pohl, **Pinilla**, Benisty, Ataiee, Juhász, Dullemond, Van Boekel, and Henning: *Scattered light images of spiral arms in marginally gravitationally unstable discs with an embedded planet*, MNRAS (2015) vol. 453, 1768-1778.
6. Kama, Folsom, and **Pinilla**: *Fingerprints of giant planets in the photospheres of Herbig stars*, A&A (2015) vol. 582, L10.
5. \*van der Marel, **Pinilla**, Tobin, van Kempen, Andrews, Ricci, and Birnstiel: *A Concentration of Centimeter-sized Grains in the Ophiuchus IRS 48 Dust Trap*, ApJL (2015) vol. 810, L7.
4. \*Dipierro, **Pinilla**, Lodato, and Testi: *Dust trapping by spiral arms in gravitationally unstable protostellar discs*, MNRAS (2015) vol. 451, 974-986.



3. Walsh, Juhász, **Pinilla**, Harsono, Mathews, Dent, Hogerheijde, Birnstiel, Meeus, Nomura, Aikawa, Millar, and Sandell: *ALMA Hints at the Presence of two Companions in the Disk around HD 100546*, ApJL (2014) vol. 791, L6.
2. \*Ataiee, **Pinilla**, Zsom, Dullemond, Dominik, and Ghanbari: *Asymmetric transition disks: Vorticity or eccentricity?*, A&A (2013) vol. 553, L3.
1. Birnstiel, Dullemond, and **Pinilla**: *Lopsided dust rings in transition disks*, A&A (2013) vol. 550, L8.

## OTHER CO-AUTHOR PUBLICATIONS

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38. Benisty, Bae, Facchini, Keppler, Teague, Isella, Kurtovic, Pérez, Sierra, Andrews, Carpenter, Czekala, Dominik, Henning, **Pinilla**, Zurlo; *A Circumplanetary Disk Around PDS70 c*, submitted to ApJL.
37. Rota, Manara, Miotello, Lodato, Facchini, Koutoulaki, Herczeg, Long, Tazzari, Cabrit, Harsono, Menard, **Pinilla**, van der Plas, Ragusa, Yen; *Observational constraints on disc sizes in protoplanetary discs in multiple systems in the Taurus region: II. Gas disc sizes*, submitted to A&A.
36. Brown-Sevilla, Keppler, Barraza, Melon Fuksman, Kurtovic, **Pinilla**, Feldt, Brandner, Ginski, Henning, Klahr, Asensio-Torres, Cantalloube, Garufi, van Holstein, Langlois, Ménard, Rickman, Benisty, Chauvin, Zurlo, Weber, Pavlov, Ramos, Rochat, Roelfsema; *A multi-wavelength analysis of the spiral arms in the protoplanetary disk around WaOph 6*, submitted to A&A.
35. Lenz, Krijt, Klahr, **Pinilla**, Birnstiel; *On Planetesimal Formation Feeding Zones and Tracing Their Material*, submitted to A&A.
34. Asensio-Torres, Henning, Cantalloube, **Pinilla**, Mesa, Garufi, Jorquera, Gratton, Chauvin, Szulagyi, van Boekel, Dong, Marleau, Benisty, Villenave, Bergez-Casalou, Desgrange, Janson, Keppler, Langlois, Menard, Rickman, Stolker, Feldt, Fusco, Gluck, Pavlov, Ramos; *Perturbers: SPHERE detection limits to planetary-mass companions in protoplanetary disks*, accepted for publication in A&A.
33. Hammer, Lin, Kratter, **Pinilla**; *Which planets trigger longer-lived vortices: low-mass or high-mass?*, accepted for publication in MNRAS.
32. Cieza, González-Ruilova, Hales, **Pinilla**, Ruíz-Rodríguez, Zurlo, Arce-Tord, Cánovas, Casassus, Flock, Kurtovic, Marino, Nogueira, Perez, Pérez, Price, Principe, Williams; *The Ophiuchus Disc Survey Employing ALMA (ODISEA)–III: the evolution of substructures in massive discs at 3-5 au resolution*, MNRAS (2021), vol. 501, 2934.
31. Ginski, Facchini, Huang, Benisty, Vaendel, Stapper, Dominik, Bae, Ménard, Muro-Arena, Hogerheijde, McClure, van Holstein, Birnstiel, Boehler, Bohn, Flock, Mamajek, Manara, Pinilla, Pinte, Rivas; *Disk Evolution Study Through Imaging of Nearby Young Stars (DESTINYs): Late infall causing disk misalignment and dynamic structures in SU Aur*, ApJL (2021), vol. 908, L25.
30. González-Ruilova, Cieza, Hales, Perez, Zurlo, Arce-Tord, Casassus, Canovas, Flock, Herczeg, **Pinilla**, Price, Principe, Ruiz-Rodriguez, Williams; *A Tale of Two Transition Disks: ALMA long-baseline observations of ISO-Oph 2 reveal two closely packed non-axisymmetric rings and a  $\sim 2$  au cavity*, ApJL (2020), vol. 902, L33.
29. Banzatti, Pascucci, Bosman, **Pinilla**, Salyk, Herczeg, Pontoppidan, Vazquez, Watkins, Krijt,

- Hendler, Long: *Hints for icy pebble migration feeding an oxygen-rich chemistry in the inner planet-forming region of disks*, ApJ (2020), vol. 903, 124.
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