

Ruobing Dong (董若冰)

ORCID: 0000-0001-9290-7846

Kavli Institute for Astronomy and Astrophysics
Peking University
No. 5 Yiheyuan Road
Haidian District, Beijing, 100871, China

Phone: +86 (010) 6275 6692
Fax: +86 (010) 6276 7900
Email: rbdong@pku.edu.cn
<https://www.ruobingdong.com>

Employment

- Kavli Institute for Astronomy and Astrophysics, Peking University
 - Boya Distinguished Professor (博雅特聘教授) 2024 – present
- Department of Physics & Astronomy, University of Victoria
 - Adjunct Professor 2024 – present
 - Associate Professor 2023 – 2024
 - Assistant Professor 2018 – 2023
- Institute of Astronomy & Astrophysics, Academia Sinica
 - Visiting Scholar 2018 – 2024
- Steward Observatory, University of Arizona
 - Bart J. Bok Fellow 2016 – 2018
- Lawrence Berkeley National Lab / University of California, Berkeley
 - *NASA* Hubble Fellow 2013 – 2016
- McKinsey & Company
 - Summer Associate 2013

Education

- Princeton University
 - Ph.D., Astrophysics, 2013 (Advisors: Roman Rafikov & James Stone)
- Peking University
 - B.S., Physics, 2008

Selected Fellowships & Awards

- Member, College of New Scholars, Royal Society of Canada 2025
- Changjiang (Cheung Kong) Scholar Award (长江学者), Ministry of Education, China 2024
- Award for Research Excellence, Faculty of Science, University of Victoria 2022
- Sloan Research Fellowship, Alfred P. Sloan Foundation 2020
- Bart J. Bok Fellowship, Steward Observatory, University of Arizona 2016

- NASA Hubble Fellowship 2013
- Extraordinary Excellence Prize, Chinese Government Award for Outstanding Self-financed Students Abroad (\$10,000) 2012
- Sumsung Scholarship, Peking University 2007
- Chun-Tsung Fellowship, Peking University 2006
- Kwang-Hua Scholarship, Peking University 2005, 2006

Funding (Canada)

- New Frontiers in Research Fund – Exploration (NFRFE-2022-00159), Tri-agency (Canada), \$250,000 (CAD) 2023 – 2025
- Discovery Grant, (RGPIN-2023-05299), Natural Sciences and Engineering Research Council (NSERC, Canada), \$230,000 (CAD) 2023 – 2028
- NOVA (ALLRP 577027-22), Fonds de recherche du Québec - Nature et technologies (FRQNT) Program (Canada), Funded Co-I (PI: Eve Lee @ McGill), \$90,000 (CAD) support for R.D. 2023 – 2024
- Alliance International Catalyst Grant (ALLRP 576488-22), Natural Sciences and Engineering Research Council (NSERC, Canada), \$25,000 (CAD) 2022 – 2023
- Sloan Research Fellowship (FG-2020-13779), Sloan Foundation, \$75,000 (USD) 2020 – 2022
- Discovery Grant + Discovery Launch Supplement (DGEGR-2018-00373), Natural Sciences and Engineering Research Council (NSERC, Canada), \$170,280 (CAD) 2018 – 2023
- Start-up Grant, University of Victoria, \$100,000 (CAD) 2018

Research Advising

Current Group Members:

Graduate Students

- Jinlin Li, PhD, Peking University 2025 – present
- Zhuhai Li, PhD, Peking University 2025 – present
- Yueluo Wang, PhD, Peking University 2025 – present
- Xiaoyi Ma, MSc → PhD, University of Victoria → Peking University 2022 – present
- Camryn Mullin, MSc → PhD (NSERC CGD D), University of Victoria 2022 – present
- Dori Blakely, MSc → PhD (NSERC CGS D), University of Victoria, co-supervisor with Doug Johnstone 2020 – present

Postdoctoral Fellows

- Kan Chen, Peking University (Boya Fellow) 2025 – present
- Weiqi Wang, University of Victoria 2023 – present

Past Group Members:

Graduate and Undergraduate Students

- Jessica Speedie, MSc → PhD, University of Victoria 2020 – 2025

- **Shunyuan Mao**, MSc → PhD, University of Victoria 2019 – 2024
- **Jiaqing Bi**, MSc → PhD, University of Victoria 2018 – 2023
- **Minghao Zhang**, Undergraduate, Sun Yat-sen University (Summer Student) 2022 – 2023
- **Jacob Atkinson**, Undergraduate, University of Victoria 2021 – 2022
- **Xuejie Li**, Undergraduate, Shangdong University (MITACS Global Link Fellow) 2021
- **Vivek Vishwanath**, Undergraduate, University of Victoria (Jamie Cassels Undergraduate Research Awards & Mitacs Research Training Award 2020) 2020 – 2021
- **Metea Marr**, Undergraduate, University of Victoria (NSERC Undergraduate Student Research Award 2020 / Honors Thesis) 2019 – 2021
- **Jiahui Sun**, Undergraduate, Nanjing University (Summer Project) 2019
- **Benny Wang**, Undergraduate, Williams College (Summer Project) 2019
- **Kali Salmas**, Undergraduate, University of Victoria (Honors Thesis) 2018 – 2019
- **Oliver Wang**, Undergraduate, UC Berkeley (Junior year research project) 2016 – 2017

Postdoctoral Fellows

- **Nienke van der Marel**, Banting Fellow 2019 – 2021
- **Pinghui Huang** 2023 – 2024

Research Assistants

- **Dhruv Muley** 2020 – 2021

Graduate Student Thesis / Supervisory Committee Member

- **Marielle Eduardo**, PhD, University of Victoria 2022 – present
- **Lowell Peltier**, PhD, University of Victoria 2022 – present
- **Katie Crotts**, Master & PhD, University of Victoria 2018 – 2024
- **Logan Francis**, PhD, University of Victoria 2020 – 2022
- **Matthew Wilson**, MSc, University of Victoria 2021 – 2022

Teaching:

Peking University

Graduate Level

- Planet Formation Fall 2025 – 2026
- Special Topics in Astrophysics s Spring 2024 – 2025

University of Victoria

Undergraduate Level

- ASTR 255, Introduction to Planetary Science Spring 2020 – 2023
- PHYS 321A, Classical Mechanics Fall 2019 – 2021
- PHYS 460A/460B, Colloquium Fall 2020 – 2023; Spring 2021 – 2024

Graduate Level

- ASTR 511, Exoplanets and Their Formation Fall 2018 – 2020, Spring 2023
- ASTR 561, Astronomy Paper Session Fall 2023 – 2024

- ASTR 580, Directed Study – Planet Formation Spring 2021, 2023
- ASTR 580, Directed Study – Fundamentals of Radio Interferometry Spring 2023
- ASTR 580, Directed Study – Dynamical modeling of planet-disk systems Spring 2022
- ASTR 580, Directed Study – Density Waves Summer 2021
- ASTR 580, Directed Study – Debris Disks Spring 2019

Selected Press Releases / Media Exposures (*links embedded*)

- [“Escaping the Dust Trap: Simulations of Dust Dynamics in Protoplanetary Disks”](#)
AAS NOVA (Huang et al. 2025, ApJ Letters, 981, 30) 2025 / 07
- [“A Late-Stage Infall Renovation: Mapping the Circumstellar Disk of AB Aurigae”](#)
AAS NOVA (Speedie, Dong et al. 2025, ApJ Letters, 981, 30) 2025 / 03
- [“ALMA Detects Hallmark “Wiggle” of Gravitational Instability in Planet-Forming Disk”](#)
Joint Press Release, Joint ALMA Observatory / National Radio Astronomy Observatory / University of Victoria / Cambridge University (Speedie, Dong et al. 2024, Nature, 633, 58)
New York Times report; Interview by the Kavli Foundation 2024 / 09
- [“James Webb Space Telescope takes its first images of forming planetary systems”](#)
Joint Press Release by University of Victoria, University of Arizona, and University of Michigan (Mullin, Dong et al. 2024, AJ, 167, 183) 2024 / 03
- [“Spotlight on Machine Learning in Astrophysics”](#)
AAS NOVA (Mao, Dong et al. 2023, ApJ Letters, 950, 12) 2023 / 10
- [“ALMA catches “intruder” redhanded in rarely detected stellar flyby event”](#)
Press Release, Joint ALMA Observatory / National Radio Astronomy Observatory / Subaru Telescope (Dong et al. 2022, Nature Astronomy, 6, 331) 2022 / 01
- [“A Young Star’s Disk Dilemma”](#)
AAS NOVA (Muley & Dong 2021, ApJ Letters, 921, 34) 2021 / 11
- [“Do Planets Make Only Puffy Gaps?”](#)
AAS NOVA (Bi, Lin & Dong 2021, ApJ, 921, 107) 2021 / 07
- [“ALMA Discovers Misaligned Rings in Planet-Forming Disk Around Triple Stars”](#)
Press release, Joint ALMA Observatory / NRAO / ESO / NAOJ (Bi, van der Marel, Dong et al. 2020, ApJ Letters, 851, 18) 2020 / 09
- [“Seeing Things in Threes”](#)
AAS NOVA (Bi, van der Marel, Dong et al. 2020, ApJ Letters, 851, 18) 2020 / 06
- [“What We Don’t Know About Protoplanetary Disks”](#)
AAS NOVA (van der Marel, Dong et al. 2019, ApJ, 872, 112) 2019 / 04
- [“Filling \(Dust\) Gaps in Our Knowledge of Planet Formation”](#)
AAS NOVA (Dong et al., 2018, ApJ, 866, 110) 2018 / 09
- [“ALMA Discover Exciting Structures in a Young Protoplanetary Disk That Support Planet Formation”](#)
Press release, Joint ALMA Observatory / NAOJ / ASIAA (Dong et al. 2018, ApJ, 860, 124) 2018 / 06
- [“Imaged Companion Drives Spiral Arms in Disk”](#)

- AAS NOVA (Wagner, Dong et al. 2018, ApJ, 854, 130) 2018 / 03
 - “UA Astronomers Track the Birth of a ‘Super-Earth’”
Press release, University of Arizona (Dong et al., 2017, ApJ, 843, 127) 2017 / 07
 - “Featured Image: Simulating Planetary Gaps”
AAS NOVA (Dong & Fung 2017, ApJ, 835, 146) 2017 / 03
 - “Planet Masses from Disk Spirals”
AAS NOVA (Fung & Dong 2015, ApJ Letters, 815, 21) 2015 / 12
 - “Spirals in Dust Around Young Stars May Betray Presence of Massive Planets”
Press release, NASA (Dong et al., 2015, ApJ Letters, 809, 5) 2015 / 10
 - “Direct Infrared Image of an Arm in Disk Demonstrates Transition to Planet Formation”
Press release, NAOJ / Princeton University (Mayama et al. 2012, ApJ Letters, 760, 26) 2013 / 02
 - “Discovery of a Giant Gap in the Disk of a Sun-like Star May Indicate Multiple Planets”
Press release, NAOJ / Princeton University (Hashimoto, Dong et al. 2012, ApJ Letters, 758, 19; Dong et al. 2012, ApJ, 750, 161) 2012 / 11
- Note on American Astronomical Society (AAS) NOVA Highlights: NOVA is AAS’ main news outlet and “highlights feature research articles that are selected because they are of particular importance or are of potential interest to a broad community”. On average, NOVA highlights 2.7% of research articles published in peer reviewed AAS journals each year.*

Approved Observing Programs

18 programs as PI on VLT, LBT, Gemini, Keck, Subaru, and ALMA; 90+ programs as Co-I on Keck, Gemini, Subaru, HST, ALMA, VLA and SMA.

Listing only PI programs

- Subaru, Gemini CA-2024B-009 (Gemini – Subaru Exchange Program), 0.5 night
- Subaru, Gemini2022AC004 (Gemini – Subaru Exchange Program), 1 night
- VLT, 106.20YJ, 2 hour
- VLT, 105.20JG, 1 hour
- VLT, 0104.C—0538, 1 hour
- LBT, 2018B, 1 night
- LBT, 2018B, 1 night
- LBT, 2017A, 1 night
- Gemini, GS-2016A-Q-33, 2.5 hours
- Keck (Admin PI Eugene Chiang), 2016A_U131N2, 0.5 night
- ALMA, Cycle 12, 2025.1.01619.S, 3.3 hours
- ALMA, Cycle 11, 2024.1.00330.S, 15.0 hours
- ALMA, Cycle 9, 2022.1.00315.S, 21.9 hours
- ALMA, Cycle 8, 2021.1.00690.S, 21.9 hours
- ALMA, Cycle 5, 2017.1.00492.S, 7.6 hours
- ALMA, Cycle 4, 2016.2.00168.S, 1.0 hours

- ALMA, Cycle 4, 2016.1.00262.S, 4.4 hours
- ALMA, Cycle 4, 2016.1.00110.S, 3.8 hours

Invited Talks at Conferences

Apr 2025	The 2 nd International Conference of Deep Space Sciences, Hefei, Anhui
Dec 2024	2024 China-Spain Bilateral Workshop on the Milky Way and Exoplanets, Zhuhai, Guangdong
Nov 2024	2024 Post-Gaia Conference, Nanjing, Jiangsu
Oct 2024	National Conference on Planetary Sciences 2024, Nanjing, Jiangsu
Sep 2024	Born in Fire: Eruptive Stars and Planet Formation 2024, Santiago, Chile
Jun 2024	Asia Oceania Geosciences Society (AOGS) 21 st Annual Meeting, Peyyeongchang, South Korea
May 2024	50 years of Binaries and Disks: Lubow@75, Las Vegas, USA
Apr 2024	Science with the Hubble and James Webb Space Telescopes VII, Porto, Portugal
Mar 2024	Simulating Physics in Celestial Ecosystems, Sendai, Japan
Dec 2023	Exoplanets & Planet Formation Workshop, Beijing, China
Jul 2023	First Science Forum of Institute for Frontiers in Astronomy and Astrophysics, Beijing Normal University, Xining, China
May 2023	The 2nd Athena++ Workshop, Center for Computational Astrophysics, NYC, USA
April 2023	Protostars and Protoplanets VII, Kyoto, Japan
Mar 2023	The 5 th Young Scientists Forum of Planetary Science, Sanya, China
Aug 2022	NCTS-ASIAA Workshop: Stars, Planets, and Formosa, online
Jun 2022	240th Meeting of the American Astronomical Society (AAS), Pasadena, CA
May 2022	Canadian Astronomy Society General Meeting 2022, online
Aug 2021	Forum on the application of Machine Learning in hydrodynamics, Kunming, Yunnan, China
Jun 2021	Chinese Planetary Science Conference, Suzhou, Jiangsu, China
Dec 2019	Workshop for Protoplanetary Disks and Exoplanets, Taipei, R.O.C.
Nov 2019	Subaru Telescope 20th Anniversary, Hilo, HI
Oct 2019	In the Spirit of Lyot 2019, Tokyo, Japan
Oct 2019	Planet ² / RESCEU Symposium 2019, Okinawa, Japan
Jul 2019	Great Barriers in planet formation, Palm Cove, Australia
Jul 2019	Astrophysical Dynamics Conference, T. D. Lee Institute, Shanghai, China
Jun 2019	Canadian Astronomy Society General Meeting 2019, Montreal, QC, Canada
Dec 2018	Chinese Astronomical Society Planetary Science Division Annual Meeting, Yixing, China
Dec 2018	Mini-Workshop in Astrophysics, T. D. Lee Institute, Shanghai, China
Dec 2018	Workshop for Protoplanetary Disks and Exoplanets, Taipei, R.O.C.
Dec 2017	Exoplanets and Planet Formation, Shanghai, China
Nov 2017	Numerical Simulations of Planet-Disc Interactions, Cuernavaca, Mexico
Nov 2017	Thirty Meter Telescope Science Forum 2017, Mysuru, India
Jul 2017	TIARA/CHARMS Mini-Workshop on Disks in the Protoplanetary Systems, ASIAA, Taipei, R.O.C.

Jul 2017	Workshop on the Accreting Universe, TDLI, Shanghai, China
Jun 2017	AAS 230, Austin, TX
Mar 2017	Observational Galactic Astrophysics Symposium, Zurich, Switzerland
Sep 2016	4 th Annual GMT Community Science Meeting, Pacific Grove, CA
Sep 2016	Fellows at the Frontiers, Northwestern University, Evanston, IL
Aug 2016	TIARA/CHARMS Mini-Workshop on Disks in the Protoplanetary Systems, Taipei, R.O.C.
April 2016	4th Session of the Sant Cugat Forum on Astrophysics, Sant Cugat, Spain
Mar 2016	Hubble Fellows Symposium, Baltimore, MD
Jun 2015	3rd DTA Symposium the Origins of Planetary Systems, Tokyo, Japan
Mar 2015	Hubble Fellows Symposium, Baltimore, MD

Invited Colloquia and Seminars

Sep 2025	Department of Astronomy, Tsinghua University, Beijing, China
May 2025	School of Physics, Jilin University, Changchun, China
Apr 2025	Department of Atmospheric Sciences, Peking University, Beijing, China
Mar 2025	School of Atmospheric Sciences, Sun Yat-Sen University, Zhuhai, Guangdong, China
Sep 2024	Department of Physics & Astronomy, Clemson University, Clemson, SC
Jul 2024	Institute of Astronomy and Astrophysics, Academia Sinica, Taipei, R.O.C.
Jun 2024	Department of Astronomy, University of Science and Technology of China, Hefei, China
May 2024	Institute for Astronomy, Zhejiang University, Hangzhou, China
Oct 2023	National Astronomical Observatory of Japan, Mitaka, Japan
Oct 2023	Department of Chemical and Physical Sciences, University of Toronto, Toronto, Canada
Sep 2023	Department of Physics, McGill University, Montreal, Canada
May 2023	Department of Astronomy, Shanghai Jiaotong University, Shanghai, China
Nov 2022	Department of Astronomy, Xiamen University, Xiamen, Fujian, China
Nov 2022	Kavli Institute of Astronomy and Astrophysics, Peking University, Beijing, China
Nov 2022	Square Kilometer Array Cradle of Life, online
Oct 2022	GTC Forum, National Astronomical Observatory of China, Beijing, China
Sep 2022	University of Leicester, Leicester, UK
Sep 2022	Tsung-Dao Lee Institute, Shanghai, China
Sep 2022	Shanghai Astronomical Observatory, Shanghai, China
Jun 2022	Department of Astronomy, Huazhong University of Science and Technology, Wuhan, China
Feb 2022	Theoretical Astrophysics Center, UC Berkeley, Berkeley, CA
Feb 2022	Department of Physics, University of Alberta, Edmonton, Alberta, Canada
Dec 2021	Canadian Institute for Theoretical Astrophysics, Toronto, Canada
Nov 2021	Origins Seminar, University of Arizona, Tucson, AZ
Sep 2021	Department of Physics & Astronomy, University of British Columbia, Vancouver,

	Canada
Jun 2021	Kavli Institute of Astronomy and Astrophysics, Peking University, Beijing, China
Jan 2021	Department of Earth and Space Sciences, Southern University of Science and Technology, Shenzhen, Guangdong, China
Jan 2021	State Key Laboratory of Lunar and Planetary Sciences, The Macau University of Science and Technology, Macau, China
Aug 2020	Beijing Planetarium, Beijing, China
Aug 2020	School of Physics and Astronomy, Monash University, Melbourne, Vic, Australia
Feb 2020	Jet Propulsion Laboratory, Pasadena, CA
Dec 2019	Nanjing institute of Astronomical Optics & Technology, Nanjing, Jiangsu, China
Aug 2019	National Astronomical Observatory of China, Beijing, China
Aug 2019	Purple Mountain Observatory, Nanjing, Jiangsu, China
Jul 2019	Department of Astronomy, Xiamen University, Xiamen, Fujian, China
Jul 2019	Department of Astronomy, University of Science and Technology of China, Hefei, Anhui, China
Jun 2019	School of Physics & Astronomy, Sun Yat-Sen University, Zhuhai, Guangdong, China
Apr 2019	National Research Council, Herzberg Astronomy and Astrophysics, Victoria, BC, Canada
Mar 2019	Department of Physics and Astronomy, Washington State University, Pullman, WA
Mar 2019	Joint ALMA Observatory, Santiago, Chile
Mar 2019	Astronomy Department, the University of Chile / Chinese Academy of Sciences South America Center for Astronomy, Santiago, Chile
Jan 2019	Department of Physics and Astronomy, McMaster University, Hamilton, Canada
Dec 2018	School of Astronomy and Space Science, Nanjing University, Nanjing, China
Dec 2018	Institute of Astronomy and Astrophysics, Academia Sinica, Taipei, R.O.C.
Jan 2018	Department of Physics and Astronomy, UNLV, Las Vegas, NV
Nov 2017	Center for Astrophysics, Tsinghua University, Beijing, China
Feb 2017	Department of Physics and Astronomy, University of Toledo, Toledo, OH
Feb 2017	Department of Physics, The University of Texas at Dallas, Dallas, TX
Feb 2017	The Institute of Astronomy, University of Hawaii, Honolulu, HI
Feb 2017	Department of Physics and Astronomy, University of Victoria, Victoria, BC, Canada
Dec 2016	Department of Physics and Astronomy, Clemson University, Clemson, SC
Nov 2016	Department of Astronomy, UVa / NRAO Joint Colloquium, University of Virginia, Charlottesville, VA
Oct 2016	Center for Exoplanets and Habitable Worlds, Pennsylvania State University, State College, PA
Sep 2016	Steward Observatory / NOAO Joint Colloquium, Steward Observatory, Tucson, AZ
Aug 2016	Department of Astronomy, UIUC, Urbana, IL

Aug 2016	Institute of Astronomy and Astrophysics, Academia Sinica, Taipei, R.O.C.
May 2016	Kavli Institute of Astronomy and Astrophysics, Peking University, Beijing, China
Feb 2016	Small Scale Seminar, CfA/Harvard, Boston, MA
Feb 2016	Department of Astronomy, University of Florida, Gainesville, FL
Feb 2016	Department of Physics, University of Montreal, Montreal, Canada
Jan 2016	Department of Astronomy, UT Austin, Austin, TX
Apr 2015	Department of Astronomy, University of Florida, Gainesville, FL
Dec 2014	Institute of Astronomy and Astrophysics, Academia Sinica, Taipei, R.O.C.
Nov 2014	Shanghai Astronomical Observatory, Shanghai, China
Nov 2014	University of Science and Technology, Hefei, China
Jun 2013	Nanjing University, Nanjing, China
May 2013	Department of Astrophysical Sciences, Princeton University, Princeton, NJ

Professional Activities and Services:

- Grant Review Panelists
 - NASA* Hubble Fellowship Selection Panel, *NASA* Theoretical and Computational Astrophysics Networks (TCAN), *NASA* Astrophysics Theory Program (ATP), *NASA* Exoplanets Research Program (XRP), *NASA* Earth and Space Science Fellowship, U.S. NSF Astronomy & Astrophysics Research Grant (AAG), Canada Natural Sciences and Engineering Research Council (NSERC) 2015 – present
- Telescope Time Allocation Committee (TAC) Members
 - JWST Cycle 3 2023 – 2024
 - Canadian TAC (CanTAC) 2020 – 2023
 - China Telescope Access Program 2020
 - Steward Observatory 2016 – 2018
- Canadian Astronomical Society
 - Awards Committee 2019 – 2022
 - Canadian Astronomical Society Computation and Data Committee 2022 – 2024
- Large-Telescope Advisory Roles
 - Chinese 14.5-Meter Telescope Science Advisory Committee 2025 – present
 - Thirty Meter Telescope (TMT) International Science Development Team (ISDT) 2018 – present
 - Square Kilometer Array (SKA) Cradle of Life Science Working Group (ISDT) 2022 – present
- Organizing Committee Co-Chair, Summer School in Protoplanetary Disks and Planet Formation, Beijing, China 2022, 2024
- Journal Referees
 - Nature, The Astrophysical Journal, The Astrophysical Journal Letter, Monthly Notices of the Royal Astronomical Society, Astronomy and Astrophysics, Publications of the Astronomical Society of the Pacific, and Astrophysics and Space Science 2012 – present
- External Reviewers

Swiss National Science Foundation (SNSF), NASA Postdoctoral Fellowship Program (NPP), NASA Earth and Space Science Fellowship, NASA Exoplanets Research Program (ERP), Czech Science Foundation, Chilean National Science and Technology Commission, Canadian Space Agency, China-Chile Joint Research Fund, Chinese Telescope Access Program, Fonds de Recherche du Québec (Canada), Hong Kong Research Grants Council, Los Alamos National Laboratory Directed Research and Development, Canadian Natural Sciences and Engineering Research Council (NSERC), Austrian Science Fund (FWF) 2014 – present

- Conference Scientific Organizing Committee
 - “ALMA Proposal Workshop”, Beijing, China 2025
 - “The 7th Youth Forum of Planetary Science”, Huangshan, China 2025
 - “Gas Accretion in Planet formation (GAP)”, Heidelberg, Germany 2025
 - “Science workshop for synergy of Subaru/SCEXAO and ALMA”, online 2022
 - “New Horizons in Planetary Systems”, Victoria, Canada 2019
 - “Aspen Center for Physics Summary Program: Unveiling the Physics of Protoplanet Formation: Connecting Theory to Observations”, Aspen, USA 2017
 - “TIARA Workshop on Astrobiology”, Taipei, R.O.C. 2015
- Seminar Organizer
 - CIPS Seminar, Astronomy Department, UC Berkeley 2013-2016
 - Wunch Seminar, Astrophysics Department, Princeton University 2012-2013
 - Thursday Seminar, Astrophysics Department, Princeton University 2009-2010
- Lead guest editor, *Advance in Astronomy* 2014
- Member, 2nd “International Summer Institute of Astrophysical Modeling”, KIAA, Beijing 2011

Departmental and University Services

- Career Development Committee, KIAA, PKU 2024 –
- Colloquium Committee, KIAA, PKU 2024 –
- Faculty Association Council, UVic 2020 – 2024
- Program Management Team, Astronomy Research Center (ARC), UVic 2020 – 2024
- Graduate Committee, UVic 2019 – 2024
- Colloquium Committee (Co-chair), UVic 2019 – 2024
- Strategic Planning Committee, UVic 2019 – 2024
- Graduate Student Award Committee, UVic 2018 – 2019

Conferences Oral Presentations

- Oct 2025 第三届机器学习在天文中应用会议, Yichang, Hubei, China
- Aug 2025 Scientific Workshop on the 14.5-Meter Optical and Infrared Telescope System (14.5 米光学红外望远镜系统科学研讨会), Beijing, China
- May 2025 AI-Driven Astronomy, Changchun, China
- Jan 2025 Circumplanetary Disks and Satellite Formation III, Kyoto, Japan

Nov 2024	High Precision Astrometry Post-Gaia, Nanjing, China
Oct 2024	Annual Meeting of the Chinese Astronomical Society, Hangzhou, Zhejiang
May 2023	New Eyes on the Universe: SKA and ngVLA, Vancouver, Canada
Nov 2022	Disks and Planets across ESO Facilities, Munich, Germany
Jan 2022	East Asian ALMA Science Workshop, Online
Sep 2021	Planet-forming Disks: From Surveys to Answers, Leiden, The Netherland
Jun 2021	Canada Planet Discussion Day, Online Conference
May 2019	New Horizons in Planetary Systems, Victoria, BC, Canada
June 2018	Astrophysical Frontiers in the Next Decade and Beyond, Portland, OR
May 2018	Canadian Astronomical Society 2018, Victoria, BC, Canada
Aug 2017	EXOCLIPSE 2017: Exploring New Worlds in the Shade, Boise, ID
Mar 2017	Formation and Dynamical Evolution of Exoplanets, Aspen, CO
Nov 2016	High Contrast Imaging in Space, STScI, Baltimore, MD
July 2016	European Week of Astronomy and Space Science 2016, Athens, Greek
Dec 2015	Extreme Solar Systems III, The Big Island, HI
Sep 2015	Bay Area Exoplanet Meeting, SETI Institute, Mountain View, CA
Aug 2015	Dynamical problems in Extrasolar planets science, IAU GA FM1, Honolulu, HI
July 2015	Disc Dynamics & Planet Formation, Larnaca, Cyprus
Mar 2015	Star and Planet Formation in the Southwest, Tucson, AZ
Jun 2014	Cross-Strait Astrophysics Symposium, Taipei, R.O.C.
Apr 2013	2013 Transformational Science with ALMA Conference, The Big Island, Hawaii
Jan 2013	221 st AAS Meeting, Long Beach, CA
Aug 2012	IAU Symposium 293, Beijing, China
Jun 2012	Origins of stars and their planetary systems, McMaster University, Hamilton, Canada
Oct 2011	The 2nd SEEDS General Workshop, Max Planck Institute for Astronomy, Heidelberg, Germany
Jun 2011	The International Summer Institute for Modeling in Astrophysics, Kavli Institute for Astronomy and Astrophysics, Peking University, Beijing, China
Mar 2011	The Formation of the Milky Way: The SEGUE perspective, The Ohio State University, Columbus, OH
Feb 2011	East Asian Young Astronomers Meeting 2011, Jeju, South Korea
Jun 2010	The Frontier on Interstellar Medium ----- 40th Anniversary on the Discovery of CO in ISM, Kavli Institute for Astronomy and Astrophysics, Peking University, Beijing, China
May 2010	KIAA-DoA-NAOC Joint Program on Dynamics of Astrophysical Disks, Kavli Institute for Astronomy and Astrophysics, Peking University, Beijing, China

Seminars

Mar 2017	Lunch Talk, KIAA, Peking University, Beijing, China
Jul 2016	Seminar, Carnegie DTM, D.C.
Jul 2016	Planet and Star Formation Seminar, ESO, Garching, Germany

May 2016	Seminar, University of Amsterdam, Amsterdam, The Netherland
Apr 2016	Seminar, ETH Zurich, Zurich, Switzerland
Apr 2016	Astrochem Seminar, Leiden University, Leiden, The Netherland
Sep 2015	CIPS seminar, UC Berkeley, Berkeley, CA
Sep 2014	Center for Integrative Planetary Science Seminar, Berkeley, CA
Jan 2014	Seminar, Shanghai Astronomical Observatory, Shanghai, China
Jan 2014	Computational Astrophysics Seminar, Institute of Astronomy and Astrophysics, Academia Sinica, Taipei, R.O.C.
Jan 2014	Lunch Talk, Institute of Astronomy and Astrophysics, Academia Sinica, Taipei, R.O.C.
Dec 2013	Lunch Talk, University of Wisconsin-Madison, Madison, WI
Sep 2013	Lunch Talk, Kavli Institute, Peking University, Beijing, China
May 2013	NASA Goddard Extrasolar Planets Seminar, Goddard Space Flight Center, Greenbelt, MD
Nov 2012	Star and Planet Formation Seminar, Space Telescope Science Institute, Baltimore, MD
Oct 2012	Lunch Talk, Infrared Processing and Analysis Center, Caltech, Pasadena, CA
Oct 2012	Journal Club Talk, UC Los Angeles, Los Angeles, CA
Oct 2012	FLASH Talk, UC Santa Cruz, Santa Cruz, CA
Oct 2012	Planet and Star Formation Seminar, UC Berkeley, Berkeley, CA
Oct 2012	Seminar, University of Hawaii, Honolulu, HI
Sep 2012	Radio and Geoastronomy (RG) Lunch Talk, Harvard-Smithsonian Center for Astrophysics, Boston, MA
Sep 2012	Wunch Talk, Princeton University, Princeton, NJ
Jun 2012	Journal Club Talk, University of Michigan, Ann Arbor, MI
Jun 2012	Seminar, Canadian Institute for Theoretical Astrophysics, Toronto, Canada
Oct 2011	Planet and Star Formation Lunch talk, Max Planck Institute for Astronomy, Heidelberg, Germany
Jul 2011	Lunch talk, Kavli Institute of Astronomy and Astrophysics, Peking University, Beijing, China
Jun 2011	Seminar, Shanghai Astronomical Observatory, Shanghai, China
Mar 2011	Wunch Talk, Princeton University, Princeton, NJ
Jan 2009	Geophysical and Astrophysical Fluid Dynamics Seminar, UC Santa Cruz, Santa Cruz, CA

Public Outreach Activities (selected)

- Night With a Prof, University of Victoria 2021
- Lecture in Science and Humanity, Sun Yat-Sen University, Zhuhai, Guangdong, China 2021
- Quirks & Quarks, CBC radio science news program 2021
- Planet Formation & Telescope Tech w/ Dr. Ruobing Dong, interview by prof-talks.com 2019
- Public Talk, Astronomy Day, Royal BC Museum, Victoria, Canada 2019, 2022

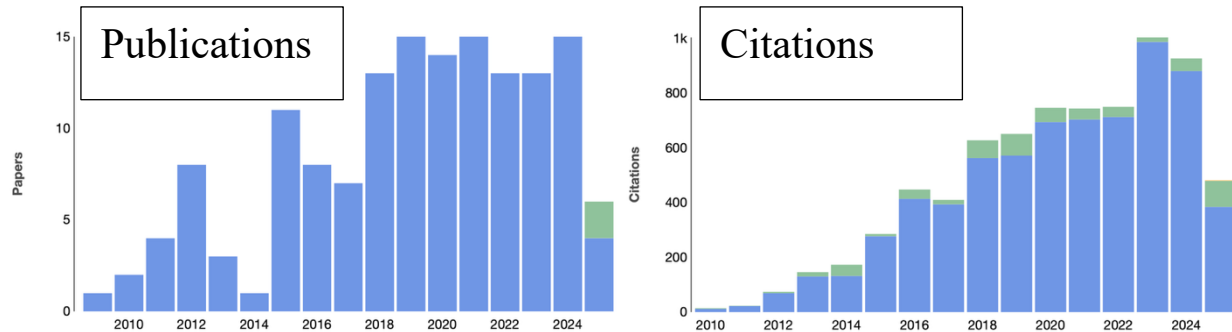
- Interviewed in the talk show *Hubble Hangout*, hosted by NASA 2015
- Volunteer, Cal Day at UC Berkeley 2015
- Volunteer, Astronomy Day at the California Academy of Sciences, San Francisco 2015
- Translation of the English website of the *Citizen Science* project *Disk Detective* into Chinese 2014

Refereed Publications

Statistics (NASA ADS, September 2025)

- Total:
 - **153** (citations: **7800+** / *h*-index: **51** / papers with 100+ citations: **21**)
- Lead, or corresponding author (mainly advisee publications):
 - **57** (citations: **3700+** / papers with 100+ citations: **13**)

Links to publications: <https://www.ruobingdong.com/publications>



Authorship practice: *I am listed among the top 3 authors in roughly 50% of my refereed publications. Following standard practice in astronomy, author order typically reflects individual contributions. In advisee projects, the advisees are usually the lead and corresponding authors, and I am listed as a corresponding author together with them.*

Refereed Journal Publications: Lead Author – 27

1. *A Likely Flyby of Binary Protostar Z CMa Caught in Action*
Ruobing Dong, Haoyu Baobab Liu, Nicolás Cuello, Christophe Pinte, Péter Ábrahám, Eduard Vorobyov, Jun Hashimoto, Ágnes Kóspál, Eugene Chiang, Michihiro Takami, Lei Chen, Michael Dunham, Misato Fukagawa, Joel Green, Yasuhiro Hasegawa, Thomas Henning, Yaroslav Pavlyuchenkov, Tae-Soo Pyo and Motohide Tamura, **2022, Nature Astronomy**, 6, 331
2. *Observational Signatures of Planets in Protoplanetary Disks: Planet-induced Line Broadening in Gaps*
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3. *Multiple Disk Gaps and Rings Generated by a Single Super-Earth. II. Spacings, Depths, and Number of Gaps, with Application to Real Systems*
Ruobing Dong, Shengtai Li, Eugene Chiang & Hui Li, **2018, ApJ**, 866, 110
4. *Spiral Arms in Disks: Planets or Gravitational Instability?*
Ruobing Dong, Joan R. Najita & Sean Brittain, **2018, ApJ**, 862, 103
5. *The Eccentric Cavity, Triple Rings, Two-Armed Spirals, and Double Clumps of the MWC 758 Disk*
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6. *Multiple Disk Gaps and Rings Generated by a Single Super-Earth*
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 7. *The Sizes and Depletions of the Dust and Gas Cavities in the Transitional Disk J160421.7-213028*
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 8. *What is the Mass of a Gap-Opening Planet?*
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 9. *How Bright are Planet-Induced Spiral Arms in Scattered Light?*
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 10. *How Spirals and Gaps Driven by Companions in Protoplanetary Disks Appear in Scattered Light at Arbitrary Viewing Angles*
Ruobing Dong, Eugene Chiang & Jeffrey Fung, **2016, ApJ**, 826, 75
 11. *Stability and Occurrence Rate Constraints on the Planetary Sculpting Hypothesis for Transitional Disks*
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 12. *Signatures of Gravitational Instability in Resolved Images of Protostellar Disks*
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 13. *An M Dwarf Companion and Its Induced Spiral Arms in the HD 100453 Protoplanetary Disk*
Ruobing Dong, Zhaohuan Zhu, Jeffrey Fung, Roman Rafikov, Eugene Chiang, & Kevin Wagner, **2016, ApJ Letters**, 816L, 12
 14. *Spiral Arms in Gravitationally Unstable Protoplanetary Disks as Imaged in Scattered Light*
Ruobing Dong, Cassandra Hall, Ken Rice & Eugene Chiang, **2015, ApJ Letters**, 812L, 32
 15. *The Effects of Self-Shadowing by a Puffed-up Inner Rim in Scattered Light Images of Protoplanetary Disks*
Ruobing Dong **2015, ApJ**, 810, 6
 16. *Observational Signatures of Planets in Protoplanetary Disks: Spiral Arms Observed in Scattered Light Imaging Can be Induced by Planets*
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 17. *Observational Signatures of Planets in Protoplanetary Disks I: Gaps Opened by Single and Multiple Young Planets in Disks*
Ruobing Dong, Zhaohuan Zhu, & Barbara Whitney, **2015, ApJ**, 809, 93
 18. *X-ray Properties of Intermediate-mass Black Holes in Active Galaxies. III. Spectral Energy Distribution and Possible Evidence for Intrinsically X-ray-weak AGNs*
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 19. *The Structure of Pre-transitional Protoplanetary Disks I: Radiative Transfer Modeling of the*

Disk+Cavity in the PDS 70 system

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21. *Density Waves Excited by Low-Mass Planets in Protoplanetary Disks II: High-Resolution Simulations of the Nonlinear Regime*

Ruobing Dong, Roman R. Rafikov & James M. Stone, **2011, ApJ**, 741, 57

22. *Density Waves Excited by Low-Mass Planets in Protoplanetary Disks I: Linear Regime*

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23. *Investigation of the Errors in Sloan Digital Sky Survey Proper-motion Measurements Using Samples of Quasars*

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25. *Dusty Disks Around White Dwarfs I: Origin of Debris Disks*

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26. *A Systematic Search for X-Ray Cavities in the Hot Gas of Galaxy Groups*

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27. *Buoyant Bubbles in Intracuster Gas: Effects of Magnetic Fields and Anisotropic Viscosity*

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Undergraduate Student / **RA** = Research Assistant / **GS** = Graduate Student / **PDF** = Postdoc) – **30**

28. *Neural Networks as Surrogate Solvers for Time-Dependent Accretion Disk Dynamics*
Shunyuan Mao (GS), Weiqi Wang (PDF), Sifan Wang, **Ruobing Dong**, Lu Lu, Kwang Moo Yi, Paris Perdikaris, Andrea Isella, Sebastien Fabbro, Lile Wang, **2025, ApJ Letters**, in press
29. *Multi-wavelength Constraints on Dust Dynamics and Size Evolution in Protoplanetary Disk Rings. I. Method*
Linhan Yang (GS), Ya-Ping Li, **Ruobing Dong**, Kiyoaki Doi, Hauyu Baobab Liu, and Pinghui Huang **2025, ApJ**, in press, arXiv: 2503.13818
30. *Leaky Dust Traps in Planet-Embedded Protoplanetary Disks*
Pinghui Huang (PDF), Fangyuan Yu, Eve Lee, **Ruobing Dong**, Xue-ning Bai, **2025, ApJ**, in press, arXiv:250319026
31. *Mapping the merging zone of late infall in the AB Aur planet-forming system*
Jessica Speedie (GS), **Ruobing Dong**, Richard Teague, Dominique Segura-Cox, Jaime E. Pineda, Josh Calcino, Cristiano Longarini, Cassandra Hall, Ya-Wen Tang, Jun Hashimoto, Teresa Paneque-Carreño, Giuseppe Lodato, and Bennedetta Veronesi, **2025, ApJ Letters**, 981, 30
32. *Vortex-Induced Rings and Gaps within Protoplanetary Disks*
Xiaoyi Ma (GS), Pinghui Huang, Cong Yu, and **Ruobing Dong**, **2025, ApJ**, 979, 244
33. *Disk2Planet: A Robust and Automated Machine Learning Tool for Parameter Inference in Disk-Planet Systems*
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34. *Mind the kinematics simulation of planet-disk interactions: time evolution and numerical resolution*
Kan Chen (GS) & **Ruobing Dong** **2024, ApJ**, 976, 49
35. *Gravitational instability in a planet-forming disk*
Jessica Speedie (GS), **Ruobing Dong**, Cassandra Hall, Cristiano Longarini, Benedetta Veronesi, Teresa Paneque-Carreño, Giuseppe Lodato, Ya-Wen Tang, Richard Teague & Jun Hashimoto, **2024, Nature**, 633, 58
36. *JWST/NIRCam Imaging of Young Stellar Objects III: Detailed Imaging of the Nebular Environment Around the HL Tau Disk*
Camryn Mullin (GS), **Ruobing Dong**, Jarron Leisenring, Gabriele Cugno, Thomas Greene, Doug Johnstone, Michael R. Meyer, Kevin R. Wagner, Schuyler G. Wolff, Martha Boyer, Scott Horner, Klaus Hodapp, Don McCarthy, George Rieke, Marcia Rieke, and Erick Young, **2024, AJ**, 167, 183
37. *Shadowing in the protoplanetary disk of ZZ Tau IRS with HST*
Jun Hashimoto, **Ruobing Dong**, Takayuki Muto, Hauyu Baobab Liu and Yuka Terada, **2024, AJ**, 167, 75
38. *The dependence of the structure of planet-opened gaps in protoplanetary disks on radiative cooling*
Minghao Zhang (US), Pinghui Huang (PDF) & **Ruobing Dong** **2024, ApJ**, 961, 86
39. *Direct images and spectroscopy of a giant protoplanet driving spiral arms in MWC 758*

- Kevin Wagner, Jordan Stone, Andrew Skemer, Steve Ertel, **Ruobing Dong**, Dániel Apai, Eckhart Spalding, Jarron Leisenring, Michael Sitko, Kaitlin Kratter, Travis Barman, Mark Marley, Brittany Miles, Anthony Boccaletti, Korash Assani, Ammar Bayyari, Taichi Uyama, Charles E. Woodward, Phil Hinz, Zackery Briesemeister, Kellen Lawson, François Ménard, Eric Pantin, Ray W. Russell, Michael Skrutskie & John Wisniewski, **2023**, *Nature Astronomy*, 7, 1208.
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 41. *Gap-opening Planets Make Dust Rings Wider*
Jiaqing Bi (GS), Min-Kai Lin & **Ruobing Dong** **2023**, *ApJ*, 942, 80
 42. *Testing velocity kinks as a planet-detection method: Do velocity kinks in surface gas emission trace planetary spiral wakes in the midplane continuum?*
Jessica Speedie (GS) & **Ruobing Dong** **2022**, *ApJ Letters*, 940, L43
 43. *The Appearance of Vortices in Protoplanetary Disks in Near-Infrared Scattered Light*
Metea Marr (US) & **Ruobing Dong** **2022**, *ApJ*, 930, 80
 44. *Observing planet-driven dust spirals with ALMA*
Jessica Speedie (GS), Richard A. Booth & **Ruobing Dong** **2022**, *ApJ*, 930, 40
 45. *CI Tau: A controlled experiment in disk-planet interaction*
Dhruv Muley (RA) & **Ruobing Dong** **2021**, *ApJ Letters*, 921, L34
 46. *Observational Signatures of Planets in Protoplanetary Disks: Temperature structures in spiral arms*
Dhruv Muley (RA), **Ruobing Dong** & Jeffrey Fung, **2021**, *AJ*, 162, 129
 47. *An asymmetric dust ring around a very low mass star ZZ Tau IRS*
Jun Hashimoto, **Ruobing Dong** & Takayuki Muto, **2021**, *AJ*, 161, 264
 48. *Puffed up Edges of Planet-opened Gaps in Protoplanetary Disks. I. hydrodynamic simulations*
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 49. *On the diversity of asymmetries in gapped protoplanetary disks*
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 50. *GW Ori, Interactions Between a Triple-star System and its Circumtriple Disk in Action*
Jiaqing Bi (GS), Nienke van der Marel (PDF), **Ruobing Dong**, Takayuki Muto, Rebecca G. Martin, Jeremy L. Smallwood, Jun Hashimoto, Haoyu Baobab Liu, Hideko Nomura, Yasuhiro Hasegawa, Michihiro Takami, Mihoko Konishi, Munetake Momose, Kazuhiro D. Kanagawa, Akimasa Kataoka, Tomohiro Ono, Michael L. Sitko, Sanemichi Z. Takahashi, Kengo Tomida, and Takashi Tsukagoshi, **2020**, *ApJ Letters*, 851, L18
 51. *Protoplanetary Disk Rings and Gaps Across Ages and Luminosities*
Nienke van der Marel, **Ruobing Dong**, James di Francesco, Jonathan P. Williams, and John Tobin, **2019**, *ApJ*, 872, 112
 52. *A Decade of MWC 758 Disk Images, Where Are the Spiral-arm-driving Planets?*
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53. *Inferring Planet Mass from Spiral Structure*
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 54. *The Structure of Spiral Shocks Excited by Planetary-mass Companions*
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 55. *Shallow Cavities in Multiple-Planet Systems*
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 56. *Dust Filtration by Planet-Induced Gap Edges: Implications for Transitional Disks*
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 57. *Polarimetric Imaging of Large Cavity Structures in the Pre-Transitional Protoplanetary Disk around PDS 70, Observations of the disk*
Jun Hashimoto, **Ruobing Dong**, Tomoyuki Kudo, Motohiko Honda, Melissa K. McClure, Zhaohuan Zhu, Takayuki Muto, John Wisniewski, Lyu Abe, Wolfgang Brandner, Timothy Brant Brandt, Joseph Carson, Sebastian Egner, Markus Feldt, Misato Fukagawa, Miwa Goto, Carol A. Grady, Olivier Guyon, Yutaka Hayano, Masahiko Hayashi, Saeko Hayashi, Thomas Henning, Klaus W. Hodapp, Miki Ishii, Masanori Iye, Markus Janson, Ryo Kandori, Gillian R. Knapp, Nobuyuki Kusakabe, Masayuki Kuzuhara, Jungmi Kwon, Taro Matsuo, Satoshi Mayama, Michael W. McElwain, Shoken Miyama, Jun-Ichi Morino, Amaya Moro-Martín, Tetsuo Nishimura, Tae-Soo Pyo, Gordon Serabyn, Taketoshi Suenaga, Hiroshi Suto, Ryuji Suzuki, Yasuhiro Takahashi, Michihiro Takami, Naruhisa Takato, Hiroshi Terada, Christian Thalmann, Daigo Tomono, Edwin L. Turner, Masahiro Watanabe, Toru Yamada, Hideki Takami, Tomonori Usuda, Motohide Tamura, **2012, ApJ Letters**, 758, 19

Refereed Journal Publications: Contributing Author – 93

(Author list is abbreviated at the 10th author if there are more than 10 authors.)

58. *Dynamical Analysis of the HD 169142 Planet-Forming Disk: Twelve Years of High-Contrast Polarimetry*
Miles Lucas, Michael Bottom, **Ruobing Dong**, Myriam Benisty, Mario Flock, Maria Vincent, Jonathan Williams, Kyohoon Ahn, Thayne Currie, Vincent Deo, et al., **2025, AJ**, in press
59. *VLT/MUSE Detection of the AB Aurigae b Protoplanet with H α Spectroscopy*
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60. *JVLA Measurement of Grain Size in the Compact Dust Ring around Class I Protostar WL 17*
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61. *Predictions of Dust Continuum Emission from a Potential Circumplanetary Disk: A Case Study of the Planet Candidate AB Aurigae b*
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62. *Asymmetric dust accumulation of the PDS 70 disk revealed by ALMA Band 3 observations*
Dori Blakely, Doug Johnstone, Gabriele Cugno, Anand Sivaramakrishnan, Peter Tuthill, **Ruobing Dong**, Benjamin J. S. Pope, Loic Albert, Max Charles, Rachel A. Cooper, et al.,

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63. *Asymmetric dust accumulation of the PDS 70 disk revealed by ALMA Band 3 observations*
Kiyooki Doi, Akimasa Kataoka, Haoyu Baobab Liu, Tomohiro C. Yoshida, Myriam Benisty,
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 64. *First JVLA Radio Observation on PDS 70*
Haoyu Baobab Liu, Simon Casassus, **Ruobing Dong**, Kiyooki Doi, Jun Hashimoto, and
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 65. *Observational characteristics of circum-planetary-mass-object disks in the era of James
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 66. *Forming localized dust concentrations in a dust ring? A case study on DM Tau*
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 67. *JWST/NIRCam Imaging of Young Stellar Objects. II. Deep Constraints on Giant Planets and
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 68. *JWST / NIRCam Imaging of Young Stellar Objects. I. Constraints on Planets Exterior to The
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Kevin Wagner, Jarron Leisenring, Gabriele Cugno, Camryn Mullin, **Ruobing Dong**, Schuyler
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 69. *A Companion in V1247 Ori Supported by Spiral Arm Pattern Motion*
Bin Ren, Chen Xie, Myriam Benisty, **Ruobing Dong**, Jaehan Bae, Tomas Stolker, Rob G.
van Holstein, John H. Debes, Antonio Garufi, Christian Ginski, et al., **2024, A&A**, 681, L2
 70. *A Uniform Analysis of Debris Disks with the Gemini Planet Imager I: An Empirical Search
for Perturbations from Planetary Companions in Polarized Light Images*
Katie A. Crotts, Brenda C. Matthews, Gaspard Duchêne, Thomas M. Esposito, **Ruobing
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 71. *Formation of misaligned second-generation discs through flyby encounters*
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 72. *Evolution of the Planetary Obliquity: The Eccentric Kozai-Lidov Mechanism Coupled*
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 73. *Centimeter-sized Grains in the Compact Dust Ring around Very Low Mass Star CIDA 1*
Jun Hashimoto, Haoyu Liu, **Ruobing Dong**, Beibei Liu, Takayuki Muto, and Yuka Terada,
2023, AJ, 166, 186
 74. *Chemical footprints of giant planet formation. Role of planet accretion in shaping the C/O
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Haochang Jiang, Yu Wang, Chris W. Ormel, Sebastiaan Krijt, **Ruobing Dong** **2023, A&A**,
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75. *Dynamical detection of a companion driving a spiral arm in a protoplanetary disk*
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77. *Exciting spiral arms in protoplanetary discs from flybys*
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78. *Multiple Rings and Asymmetric Structures in the Disk of SR 21*
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79. *The ALMA view of MP Mus (PDS 66): a protoplanetary disk with no visible gaps down to 4 au scales*
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80. *ALMA Band 6 high-resolution observations of the transitional disk around SY Cha*
Ryuta Orihara, Munetake Momose, Takayuki Muto, Jun Hashimoto, Haoyu Baobab Liu, Takashi Tsukagoshi, Tomoyuki Kudo, Sanemichi Takahashi, Yi Yang, Yasuhiro Hasegawa, **Ruobing Dong**, et al., **2023, Publications of the Astronomical Society of Japan**, 75, 424
81. *UV spectropolarimetry with Polstar: protoplanetary disks*
John Wisniewski, Andrei Berdyugin, Svetlana Berdyugina, William Danchi, **Ruobing Dong**, René D. Oudmaijer, Vladimir S. Airapetian, Sean D. Brittain, Ken Gayley, Richard Ignace, et al. **2022, Astrophysics and Space Science**, 367, 12
82. *Grain Growth in the Dust Ring with Crescent around Very Low Mass Star ZZ Tau IRS with JVL*
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83. *Stellar Flyby Analysis for Spiral Arm Hosts with Gaia DR3*
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