

CONTACT AND BIOGRAPHICAL INFORMATION

Konstantinos Tassis
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phone #: +30-2810-394219

Born: Athens, Greece
Citizenship: Greek
Family status: Married, one child

EDUCATION

Ph.D. 2005, Astronomy University of Illinois at Urbana-Champaign
advisor: Prof. T. Ch. Mouschovias
thesis: *"Protostar formation in magnetic clouds: The phase beyond ion detachment"*

M.S. 2001, Astronomy (with honors) University of Illinois at Urbana-Champaign

B.Sc. 1999, Physics (with honors) University of Thessaloniki

PROFESSIONAL APPOINTMENTS

2019-present	Affiliated Faculty	IA/FORTH
2013-2019	Affiliated Faculty	IESL/FORTH
2018-present	Associate Professor	Department of Physics, University of Crete
2013-2018	Assistant Professor	Department of Physics, University of Crete
2012-2013	<i>Marie Curie</i> Fellow	Institute for Theoretical & Computational Physics, University of Crete
2011-2012	Visiting Scientist	Max-Planck Institute for Radio Astronomy, Bonn, Germany
2008-2011	Postdoctoral Scholar	NASA Jet Propulsion Laboratory / California Institute of Technology
2005-2008	Postdoctoral Fellow	Department of Astronomy and Astrophysics and Kavli Institute of Cosmological Physics, University of Chicago

RESEARCH INTERESTS

Polarimetry; Physics of the Interstellar medium; Magnetic Star Formation; Interstellar Chemistry; Structure Formation, Cosmology; Galaxy Formation and Evolution; Dynamics of the Intra-cluster Medium; Observational Tests of Star Formation and ISM Theories; Dusty Plasmas

PUBLICATIONS

 (see "Publications List" for details)

Refereed publications: 62 [single-author: 2; first-author: 19; senior-author (with students and postdocs): 12];

Citations: > 2000; h-index: 28

source: <https://scholar.google.gr/citations?user=st12POIAAAAJ&hl=en&oi=ao>

Citations: > 1630; h-index: 25

source:

[https://ui.adsabs.harvard.edu/search/filter_database_fq_database=OR&filter_database_fq_database=database%3A%22astronomy%22&fq=%7B!type%3Daqp%20v%3D%24fq_database%7D&fq_database=\(database%3A%22astronomy%22\)&q=author%3A\(%22tassis%22\)&sort=date%20desc%2C%20bibcode%20desc&p_=0](https://ui.adsabs.harvard.edu/search/filter_database_fq_database=OR&filter_database_fq_database=database%3A%22astronomy%22&fq=%7B!type%3Daqp%20v%3D%24fq_database%7D&fq_database=(database%3A%22astronomy%22)&q=author%3A(%22tassis%22)&sort=date%20desc%2C%20bibcode%20desc&p_=0)

FUNDING

2018-2023	ERC Consolidator Grant (PI) “Overcoming the Dominant Foreground of Inflationary B-modes: Tomography of Galactic Magnetic Dust via Measurements of Starlight Polarization” (€1.9M)
2017-2019	Marie Curie Individual Fellowships (supervisor) (researcher: Ntormousi) “The Origin of the Galactic Magnetic Field” (€153k)
2016-2019	Stavros Niarchos Foundation (PI) “Polar Area Stellar Imaging in Polarization High Accuracy Experiment” (\$1.457M)
2012-2016	Marie Curie Career Integration Grants (Science PI) “Onset of Star Formation: Connecting Theory and Observations” (€100k)
2012-2016	Marie Curie International Research Staff Exchange Scheme (co-I Task Leader) (PI: Charmandaris), <i>The Physics of the Most Luminous Galaxies</i> (€172k)
2012-2015	“Aristeia” (Excellence) Grants of the Greek Secretariat of Research and Technology (co-I) (PI: Kylafis), <i>Unveiling the Physics of Supermassive Black Holes and Relativistic Jets with Optical Polarization Observations of Blazars</i> (€330k)
2012-2015	NASA Origins Program (Science PI) “Collapse Onset Signatures in Molecular Clouds” (\$376k)
2010-2011	NASA Fermi Cycle 3 GI Program (Science PI) “Dark Gas Revealed: Probing the Milky Way Baryon Inventory with Herschel and Fermi” (\$100k)
2009	JPL Innovative Spontaneous Concept Proposal (co-I) (PI: Mikelides), “Establishing New Areas for Astrophysics research at JPL using the non-ideal MHD code MACHx” (\$30k)
2006	American Astronomical Society Small Research Grant (PI) “Protostar Formation in Magnetic Molecular Clouds beyond Ion Detachment” (\$3k)

OBSERVING PROGRAMS

2015+ 2019	SMT 10m Telescope, Arizona Radio Observatory, 26 hours + 300 hours co-I (PI: Panopoulou), <i>Mapping striations in the Polaris Flare cloud</i>
2013	Perkins 1.83-meter Telescope, Mimir, 2 nights co-I (PI: Clemens), <i>Magnetic Field Geometry Around Molecular Cloud Cores</i>
2012	Arecibo Observatory, 24h co-I (PI: Hezareh), <i>Zeeman Measurements on OH Lines in Taurus</i>
2009	Perkins 1.83-meter Telescope, Mimir, 2 nights co-I (PI: Clemens), <i>A Supernova Remnant in the Taurus Molecular Cloud?</i>
2009 + 2010	Perkins 1.83-meter Telescope, Mimir, 3+3 nights co-I (PI: Clemens), <i>Magnetic Field Geometry Around Molecular Cloud Cores</i>
2008-2009	CARMA 3mm&1mm, 58.5 hours co-I (PI: Chiang), <i>Collapsing Protostellar Envelopes: Applying 3D Analysis to Interferometric Data</i>

FELLOWSHIPS AND AWARDS

2019	FORTH Researcher Award	FORTH
2008	NASA Postdoctoral Program Fellowship (declined)	NASA
2004-2005	Dissertation Completion Fellowship	U. Illinois
2001	Award for Excellence in Teaching	U. Illinois
1999-2000	Graduate College Fellowship	U. Illinois
1999-2002	Graduate Studies in Astronomy Fellowship	Greek State Scholarships Foundation
1994-1999	Zosimas Fellowship for Undergraduate Studies	Zosimas Foundation

SCIENTIFIC COLLABORATIONS

PASIPHAE Collaboration (PI);
The RoboPol Collaboration (Leader of Interstellar Medium Group);
CLASSy Collaboration;
HAWC+ Collaboration;
SPICA B-BOP Polarimeter Collaboration;
FIRSPEX Consortium

PROFESSIONAL ORGANIZATIONS

Hellenic Astronomical Society; European Astronomical Society; American Astronomical Society; International Astronomical Union; American Physical Society

SERVICE

2010	Member, JPL Science and Technology Advisory Committee
2009-2011	Member, JPL Colloquium Committee
2008-2011	Organizer of JPL Star Formation Journal Club
2007-2008	Member, KICP Seminar Committee
2015-2017	Member, Curriculum Committee, Physics Department, University of Crete, Greece

Proposal Reviewer NASA Astrophysics Theory and Fundamental Physics Program
JPL Strategic University Research Partnership Program
NASA Origins Program

Referee (ApJ, ApJL, A&A, MNRAS, IJMPD, Ad. Astr., Nature)

WORKSHOP/CONFERENCE ORGANIZATION

- Sep 2019 **Member SOC**, CRETE III “Through dark lanes to new stars” Crete, Greece
(<https://crete3.org/>)
- May 2019 Member LOC, Exploring the Infrared Universe: The Promise of SPICA, Crete, Greece
(<http://www.spica2019.org/>)
- July 2016 **SOC Chair**, EWASS 2016 Symposium: “Understanding CMB Polarization Foregrounds - Clearing the Path to Inflationary B-modes” Athens, Greece
(<http://eas.unige.ch/EWASS2016/session.jsp?id=S2>)
- May 2010 **Member SOC**, Workshop at The University of Western Ontario:
“*Magnetic Fields: From Core Collapse to Young Stellar Objects*” (<http://cc2yso.uwo.ca/>)
- August 2009 **SOC Chair**, Workshop at JPL, Pasadena, CA:
“*Testing the Importance of Magnetic Fields in the Dynamics of Molecular Clouds and Star Formation*” (http://www.submm.caltech.edu/jpl_bfields/index.htm)

OUTREACH

- 2014 – present Skinakas Observatory Open House host
- April 2019 Talk: “Ένα διαστρικό νέφέλωμα που «τραγουδά»” Athens Science Festival
- Oct 2017 Talk: “PASIPHAΕ: πίσω από ένα πέπλο σκόνης, το αρχέγονο φως”,
Amateur Astronomy Club of Crete, Chania, Crete
- June 2016 Talk: “Η Θέση μας στο Σύμπαν” Profitis Ilias, Heraklion, Crete
- May 2015 Talk: “Η Θέση μας στο Σύμπαν” Primary School, High School, Makrys Gyalos
- September 2015 Talk: “The primordial Light and the secrets of the birth of the Universe” UN
International Year of Light and Light-based Technologies, Heraklion

TEACHING

- 2019 MOOC: Ταξίδι στο Σύμπαν – Σταθμός πρώτος: Το ηλιακό μας σύστημα
Mathesis (Crete University Press MOOC Platform)
- 2017 MOOC: Newtonian Mechanics
Mathesis (Crete University Press MOOC Platform)
- Fall 2014 - 18 Instructor, Graduate Classical Electrodynamics (Φ 509)
University of Crete, Department of Physics
- Spring 2014 - 19 Instructor, Classical Mechanics (Φ 204)
University of Crete, Department of Physics
- Fall 2012 Instructor, Graduate Blackboard Lecture Series Course: The Magnetic Interstellar
Medium, International Max-Planck Research School for Astronomy and Astrophysics,
Bonn, Germany
- Summer 2004 Instructor, ASTR 100 Perspectives in Astronomy
University of Illinois at Urbana-Champaign
- 1999-2004 Teaching Assistant, ASTR 199 Observing the Sky; ASTR 210 General Astronomy;
ASTR 330 Extraterrestrial Life; AST402 Diffuse Matter Dynamics
University of Illinois at Urbana-Champaign

STUDENT MENTORING

- Doctoral: N. Mandarakas (U. Crete, 2019-present)
I. Kyriotakis (U. Crete, 2017-present), R. Skalidis (U. Crete, 2018-present)
G.V. Panopoulou (U. Crete, 2014-2017, best PhD award by IAU Division H, currently Hubble Fellow at Caltech, USA)
A. Tritsis (U. Crete, 2014-2017, MERAC best PhD award by European Astronomical Society 2020, currently Postdoctoral Researcher at ANU, Australia)
- Masters: R. Skalidis (U. Crete, 2016-2017)
I. Psaradaki (U. Crete, 2015-2016, currently PhD. student at SRON, Netherlands)
G. V. Panopoulou (U. Crete, 2013-2014)
- Undergraduate: G. Chouliaras (U. Crete, 2018, currently MS student at U. Patras)
R. Skalidis (U. Crete, 2016)
M. He (Caltech, hosted at U. Crete for SURF program in summer 2013)
Quan Nguyen (U.C. Berkeley, hosted at JPL for NASA SpaceShip Internship Program in summer 2010)

POSTDOC MENTORING

- Blinov D. 2017-present
Ntormousi E. 2017-2020
Pelgrims V. 2019-present
Kiehlmann S. 2019-present

INVITED LONG-TERM VISITS

- 01-30 January 2010 Department of Physics, University of Crete, Greece
01-31 October 2007 Kavli Institute for Theoretical Physics, University of California at Santa Barbara

INVITED TALKS AND SEMINARS

- “PASIPHAЕ: Through the veil of dust to Inflation” FORTH-IESL colloquium, FORTH, Crete, Greece (Feb. 2020) <https://www.iesl.forth.gr/en/event/external-seminar/pasiphae-through-veil-dust-inflation>
- “PASIPHAЕ: can machine learning help to unveil the Big Bang?” Workshop on Computational Intelligence in Remote Sensing and Astrophysics, FORTH, Crete, Greece (July 2019) <http://spl.edu.gr/index.php/workshop-on-computational-intelligence-in-remote-sensing-and-astrophysics/>
- “Hearing the 3D shape of Musca molecular cloud” Colloquium, MPIfR & Argelander-Institut für Astronomie (AIfA), Bonn, Germany (May 2019) <https://colloquia.mpifr-bonn.mpg.de/index.php?time=all>
- “*Polar-Areas Stellar Imaging in Polarization High Accuracy Experiment: Clearing the path to experimental tests of inflation*” Invited talk at the conference: CMB foregrounds for B-mode studies, Tenerife, Spain, (October 2018) <http://www.iac.es/congreso/cmbforegrounds18/>
- “Musca the singing cloud” Seminar, Department of Astronomy, University of Illinois, Urbana, IL, USA (July 2018)
- “*The PASIPHAЕ optopolarimetric survey: capabilities, timeline, and science potential*”, Invited talk at the

workshop: A TPC for MeV Astrophysics: high-angular-resolution observations and polarimetry, Ecole Polytechnique, Paris, France (April 2017) <https://indico.in2p3.fr/event/14279/>

- “PASIPHAE: Clearing the path to inflationary B-modes through optopolarimetric magnetic tomography”, Colloquium, CEA Saclay, France (March 2017)
- “Filaments and Striations in Molecular Clouds”, Astrophysics Seminar, École Normale Supérieure, Paris, France (March 2017)
- “PASIPHAE: Clearing the path to inflationary B-modes through optopolarimetric magnetic tomography”, Space Science Seminar, JPL, Pasadena, CA, USA, (November 2016)
- “A Critical Look at Filaments in Molecular Clouds”, Workshop to celebrate H.W. Yorke’s career at JPL, JPL, Pasadena, CA, USA (November 2016)
- “Non-Ideal MHD effects” lecture at The ISM-SPP Olympian School of Astrophysics 2016, Paralia Katerini, Greece, (October 2016) <http://school2016.olympiancfa.org/programme.php>
- “Magnetic Fields in the Galaxy” Review talk at The ISM-SPP Olympian School of Astrophysics 2016 (October 2016), Paralia Katerini, Greece <http://school2016.olympiancfa.org/programme.php>
- “PASIPHAE: Clearing the path to inflationary B-modes through optopolarimetric magnetic tomography”, Physics Department Colloquium, University of Crete, Greece (October 2016), <https://www.physics.uoc.gr/sites/files/physics/colfiles/Col060916.pdf>
- “PASIPHAE: Clearing the path to inflationary B-modes through optopolarimetric magnetic tomography” EWASS2016, Symposium S2: Understanding CMB Polarization Foregrounds - Clearing the Path to Inflationary B-modes, Athens, Greece <https://events.kuoni-dmc.com/Ei3/Images/EWASS2016/Sessions%20programmes/S2.htm> (July 2016)
- “PASIPHAE: Clearing the path to inflationary B-modes through optopolarimetric magnetic tomography”, EWASS2016, FIRSPEX Consortium meeting (July 2016)
- “Star formation through the chemical lens” Astrophysics Colloquium, JPL, Pasadena, CA, USA (September 2015) <http://sciencetalks.jpl.nasa.gov/cgi/astrolist2015.html>
- “A Brave New ISM World: from Molecular Cloud Filaments to CMB B-Modes” KICP seminar, University of Chicago, Chicago, IL, USA (August 2014)
- “A Brave New ISM World: from Molecular Cloud Filaments to CMB B-Modes” CIERA seminar, Northwestern University, Northwestern, IL, USA (August 2014) http://ciera.northwestern.edu/Events/ciera_special_seminars/ciera_special_seminars_2013-2014.php
- “A Brave New ISM World: from Molecular Cloud Filaments to CMB B-Modes” Astrophysics Luncheon Seminar, JPL, Pasadena, CA, USA <http://sciencetalks.jpl.nasa.gov/cgi/astrolist2014.html> (June 2014)
- “Star Formation Through the Chemical Lens” 11th Hellenic Astronomical Conference, Athens, Greece <http://www.helas.gr/conf/2013/presentations.php> (September 2013)
- “Star Formation Through the Chemical Lens” Seminar: Astronomy Department, Princeton University, Princeton, NJ, USA http://www.astro.princeton.edu/~wunch/old/index_spring13.html (January 2013)
- “Molecular Cloud Magnetic Fields through the Chemical Lens” Annual Meeting of the Astronomische Gesellschaft 2012, Hamburg, Germany (September 2012)
- “Deciphering observations in magnetic molecular clouds” workshop: Magnetic Fields: From Core Collapse to Young Stellar Objects, The University of Western Ontario, Canada (May 2010) <http://cc2yso.uwo.ca/program.shtml>

- “*Illuminating the Universe: Understanding the Physics of Star Formation*” colloquium, Department of Physics, University of Crete <http://www.physics.uoc.gr/en/colloquia20092010> (January 2010)
- “Shapes and Magnetic Field Orientations in Molecular Clouds: a New Window on Molecular Cloud Dynamics” Workshop: Testing the Importance of Magnetic Fields in the Dynamics of Molecular Clouds and Star Formation, JPL, Pasadena, CA, USA (August 2009)
- “*Star formation in galaxies from molecular cloud to kpc scales*” Workshop on Galaxy Formation, Sexten Centre for Astrophysics, Italy <http://www.sexten-cfa.eu/en/conferences/2009/details/2-Workshop%20on%20Galaxy%20formation.html> (July 2009)
- “*Using cosmological simulations to connect star formation in molecular clouds with observations on galactic scales*” Workshop: Extreme Star Formation in Dwarf Galaxies, University of Michigan, Ann Arbor <http://dept.astro.lsa.umich.edu/~ognedin/dwarf2009/> (July 2009)
- “*Star Formation from AU to Mpc Scales: Simulating the Formation and Evolution of Stars and Galaxies*” Seminar: Carnegie Observatories (February 2009)
- “*Star Formation from AU to Mpc Scales: Simulating the Formation and Evolution of Stars and Galaxies*” Seminar: Dept. of Physics and Astronomy, Northwestern University (November 2008)
- “*Star Formation in Cosmological Simulations: The Molecular Gas Connection*” astrophysics colloquium: Jet Propulsion Laboratory (October 2008)
- “*Protostar Formation in Magnetic Molecular Clouds: A Shocking Birth*” Seminar: KICP, University of Chicago (February 2008)
- “*Protostar Formation in Magnetic Molecular Clouds: A Shocking Birth*” Seminar: Jet Propulsion Laboratory (February 2008)
- “*Star formation law and the structure of the ISM*” Workshop: Star Formation Through Cosmic Time, Kavli Institute of Theoretical Physics, University of California at Santa Barbara <http://online.kitp.ucsb.edu/online/stars07> (October 2007)
- “*Are Galactic Winds Shaping the Properties of Dwarf Galaxies?*” Workshop: Next Generation of Computational Models of Baryonic Physics in Galaxy Formation: from Protostellar Cores to Disk Galaxies, Institute of Theoretical Physics, Zurich (September 2007)
- “*Are Galactic Winds Shaping the Properties of Dwarf Galaxies?*” seminar: Physics Department, Aristoteleion University of Thessaloniki (September 2007)
- “*Are Galactic Winds Shaping the Properties of Dwarf Galaxies?*” seminar: Dept. of Physics and Astronomy, Northwestern University (March 2007)

SELECTED CONTRIBUTED TALKS IN CONFERENCES AND WORKSHOPS

- “The physics of striations in molecular clouds” Crete III: Through dark lanes to new stars, Crete, Greece (23-27 September 2019) <https://crete3.org/>
- “Science with SPICA’s B-BOP in the diffuse ISM”, SPICA2019, Crete, Greece (20-23 May 2019) <http://www.spica2019.org/index.php/programme/>
- “PASIPHAE: Clearing the path to experimental tests of inflation”, COSPAR 2018, Pasadena, USA (14-22 July 2018)
- “The true shape of molecular clouds and filaments: from Herschel to SPICA” SPICA/SAFARI consortium meeting, SRON, The Netherlands (30 May 2018)
- “The physics of striations in molecular clouds” The Olympian Symposium 2018: Gas and stars from milli- to mega- parsecs, Katerini, Greece (28 May - 1 June 2018)
- “PASIPHAE: Clearing the path to inflationary B-modes through topolarimetric magnetic tomography” 13th Hellenic Astronomical Conference, Heraklion, Greece (2-6 July 2017) <http://www.helas.gr/conf/2017/program.php>

- “PASIPHAE: Clearing the path to experimental tests of inflation” The Physics of Fine-Tuning Conference, Aquila Rithymna Beach, Crete, Greece (19 – 22 June 2017) <https://icpfit.physics.ox.ac.uk/>
- “*Star Formation Through the Chemical Lens: distortions induced and how to avoid them*” conference: From clouds to protoplanetary disks: the astrochemical link, Hans Harnack Haus, Berlin, Germany (October 2015) <https://cas-events.mpe.mpg.de/indico/event/0/session/5/contribution/67>
- “*Filaments and magnetic fields as probes of the early stages of star formation*” 12th Hellenic Astronomical Conference, Thessaloniki, Greece (June 2015) http://www.helas.gr/conf/2015/program_2015.pdf
- “*What Molecular Abundances can Tell us about the Dynamics of Star Formation*” 69th International Symposium on Molecular Spectroscopy: The University of Illinois at Urbana-Champaign (June 2014)
- “*Star Formation Through the Chemical Lens*” workshop: Magnetic Fields from Cloud Cores to Protostellar Disks, MPIA, Heidelberg, Germany (May 2013)
- “*Spasmodic Accretion in Protostellar Cores*” workshop: EPOS2012, The Early Phases of Star Formation, Ringberg Castle, Germany (July 2012) <http://www.mpia.de/homes/stein/EPoS/2012/2012fogr.php>
- “*Magnetic Star Formation: Connecting Theory and Observations*” conference: From Stars to Galaxies, Gainesville, FL (April 2010) http://conference.astro.ufl.edu/STARSTOGALAXIES/science_final/science_program_final.htm
- “Shapes and Magnetic Field Orientations in Molecular Clouds: Constraining Models Of Molecular Cloud Formation And Evolution”, 214th Meeting of the American Astronomical Society, Pasadena, CA, USA (June 2009)
- “Star formation in galaxies from molecular cloud to kpc scales”, The 9th Hellenic Astronomical Conference, Athens, Greece (September 2009)
- “Star Formation in Cosmological Simulations: the Molecular Gas Connection”, 213th Meeting of the American Astronomical Society, Long Beach, CA, USA (January 2009)
- “Star Formation in Cosmological Simulations: The Molecular Gas Connection” Conference: Transformational Science with ALMA, Charlottesville, VA, USA (October 2008)
- “Magnetic Effects at High Densities”, Conference: The Cosmic Agitator - Magnetic Fields in the Galaxy, Lexington, KY, USA (March 2008)
- “Are Galactic Winds Shaping the Properties of Dwarf Galaxies?” Great Lakes Cosmology Workshop 8, Ohio State University, Columbus, OH, USA (June 2007)

PUBLICATION LIST

Journals:

- Science (*impact factor: 41.1*)
- Astrophysical Journal (*ApJ, impact factor: 5.53*);
- Astrophysical Journal Letters (*ApJL, impact factor: 5.52*);
- Astronomy & Astrophysics (A&A, *impact factor: 5.57*)
- Monthly Notices of the Royal Astronomical Society (*MNRAS, impact factor: 4.96*);
- Physical Review D (*PRD, impact factor: 4.5*);

source: Journal Citation Reports (2017 JCR Science Edition),

Full refereed publications list (with clickable links to each paper):

- [1] Paranjpye, D.; Mahabal, A.; Ramaprakash, A. N.; Panopoulou, G. V.; Cleary, K.; Readhead, A. C. S.; Blinov, D.; **Tassis, K.** “Eliminating artefacts in polarimetric images using deep learning”, 2020, MNRAS, 491, 4, p.5151-5157 (<https://arxiv.org/abs/1911.08327>)
- [2] Lopez-Rodriguez, E.; Dowell, C. D.; Jones, T. J.; Harper, D. A.; Berthoud, M.; Chuss, D.; Dale, D. A.; Guerra, J. A.; Hamilton, R. T.; Looney, L. W.; Michail, J. M.; Nikutta, R.; Novak, G.; Santos, F. P.; Sheth, K.; Siah, J.; Staguhn, J.; Stephens, I. W.; **Tassis, K.**; Trinh, C. Q. Ward-Thompson, D.; Werner, M.; Wollack, E. J.; Zweibel, E. “SOFIA/HAWC+ traces the magnetic fields in NGC 1068”, 2020, ApJ, 888, 66, 11pp. (<https://arxiv.org/abs/1907.06648>)
- [3] André, Ph.; Hughes, A.; Guillet, V.; Boulanger, F.; Bracco, A.; Ntormousi, E.; Arzoumanian, D.; Maury, A. J.; Bernard, J.-Ph.; Bontemps, S.; Ristorcelli, I.; Girart, J. M.; Motte, F.; **Tassis, K.**; Pantin, E.; Montmerle, T.; Johnstone, D.; Gabici, S.; Efstathiou, A.; Basu, S.; Béthermin, M.; Beuther, H.; Braine, J.; Di Francesco, J.; Falgarone, E.; Ferrière, K.; Fletcher, A.; Galametz, M.; Giard, M.; Hennebelle, P.; Jones, A.; Kepley, A. A.; Kwon, J.; Lagache, G.; Lesaffre, P.; Levrier, F.; Li, D.; Li, Z.-Y.; Mao, S. A.; Nakagawa, T.; Onaka, T.; Paladino, R.; Peretto, N.; Poglitsch, A.; Revéret, V.; Rodriguez, L.; Sauvage, M.; Soler, J. D.; Spinoglio, L.; Tabatabaei, F.; Tritsis, A.; van der Tak, F.; Ward-Thompson, D.; Wiesemeyer, H.; Ysard, N.; Zhang, H. “Probing the cold magnetized Universe with SPICA-POL (B-BOP)” 2019, PASA, 36, 29 (<https://arxiv.org/abs/1905.03520>)
- [4] Santos, Fabio P.; Chuss, David T.; Dowell, C. Darren; Houde, Martin; Looney, Leslie W.; Lopez Rodriguez, Enrique; Novak, Giles; Ward-Thompson, Derek; Berthoud, Marc; Dale, Daniel A.; Guerra, Jordan A.; Hamilton, Ryan T.; Hanany, Shaul; Harper, Doyal A.; Henning, Thomas K.; Jones, Terry Jay; Lazarian, Alex; Michail, Joseph M.; Morris, Mark R.; Staguhn, Johannes; Stephens, Ian W.; **Tassis, Konstantinos**; Trinh, Christopher Q.; Van Camp, Eric; Volpert, C. G.; Wollack, Edward J. “The far-infrared polarization spectrum of Rho Ophiuchi A from HAWC+/SOFIA observations” 2019, ApJ, 882, 2 (<https://arxiv.org/abs/1905.00705>)
- [5] Panopoulou, Georgia V.; Hensley, Brandon S.; Skolidis, Raphael; Blinov, Dmitry; **Tassis, Konstantinos** “Extreme starlight polarization in a region with highly polarized dust emission” 2019, A&A, 624, 8 (<https://arxiv.org/abs/1903.09684>)
- [6] Chuss, David T.; Andersson, B.-G.; Bally, John; Dotson, Jessie L.; Dowell, C. Darren; Guerra, Jordan A.; Harper, Doyal A.; Houde, Martin; Jones, Terry Jay; Lazarian, A.; Lopez Rodriguez, Enrique; Michail, Joseph M.; Morris, Mark R.; Novak, Giles; Siah, Javad; Staguhn, Johannes; Vaillancourt, John E.; Volpert, C. G.; Werner, Michael; Wollack, Edward J.; Benford, Dominic J.; Berthoud, Marc; Cox, Erin G.; Crutcher, Richard; Dale, Daniel A.; Fissel, L. M.; Goldsmith, Paul F.; Hamilton, Ryan T.; Hanany, Shaul; Henning, Thomas K.; Looney, Leslie W.; Moseley, S. Harvey; Santos, Fabio P.; Stephens, Ian; **Tassis, Konstantinos**; Trinh, Christopher Q.; Van Camp, Eric; Ward-Thompson, Derek; HAWC + Science Team “HAWC+/SOFIA Multiwavelength Polarimetric Observations of OMC-1” 2019, ApJ, 872, 2, 187, 22 pp. (<https://arxiv.org/abs/1810.08233>)
- [7] Ramaprakash, A. N.; Rajarshi, C. V.; Das, H. K.; Khodade, P.; Modi, D.; Panopoulou, G.; Maharana, S.; Blinov, D.; Angelakis, E.; Casadio, C.; Fuhrmann, L.; Hovatta, T.; Kiehlmann, S.; King, O. G.; Kylafis, N.; Kougentakis, A.; Kus, A.; Mahabal, A.; Marecki, A.; Myserlis, I.; Paterakis, G.; Paleologou, E.; Liodakis, I.; Papadakis, I.; Papamastorakis, I.; Pavlidou, V.; Pazderski, E.; Pearson, T. J.; Readhead, A. C. S.; Reig, P.; Slowikowska, A.; **Tassis, K.**; Zensus, J. A. “RoboPol: a four-channel optical imaging polarimeter” 2019, MNRAS, 485, 2355 (<https://arxiv.org/abs/1902.08367>)
- [8] Panopoulou, Georgia V.; **Tassis, Konstantinos**; Skolidis, Raphael; Blinov, Dmitry; Liodakis, Ioannis; Pavlidou, Vasiliki; Potter, Stephen B.; Ramaprakash, Anamparambu N.; Readhead, Anthony C. S.; Wehus, Ingunn K. “Demonstration of Magnetic Field Tomography with Starlight Polarization toward a Diffuse Sightline of the ISM” 2019, ApJ, 872, 1, 56, 21 pp. (<https://arxiv.org/abs/1809.09804>)
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