

## Personal Details

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Nationality: Italy, USA      The Centre for Extragalactic Astronomy  
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## Employment History

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Jul 2022 - Present      Associate Professor, *Durham University*  
Nov 2020 - Present      UKRI Future Leaders Fellow, *Durham University*  
Oct 2019 - Jun 2022      Assistant Professor, *Durham University*  
Oct 2016 - Sep 2019      Hintze Fellow & PDRA in Galaxy Evolution, *University of Oxford*  
Apr 2005 - Aug 2011      Air Battle Manager (highest rank: Captain), *United States Air Force*

## Qualifications

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Nov 2022      **Fellowship of the Higher Education Academy**  
Sep 2012 - Sep 2016      **Leiden University**, Astronomy PhD Researcher  
Thesis: *'Radio Galaxies at Low Frequencies'*  
Sep 2009 - Apr 2012      **University of Oklahoma**, M.Sc. Astronomy (with Honours. 1 equiv.)  
Thesis: *'AGN: From Supermassive Black Holes to Rare FeLoBALs'*  
Sep 2001 - Apr 2005      **University of Michigan**, B.Sc. Physics & B.Sc. Astrophysics (2i equiv.)

## Science Highlights

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- Led special issue of *Astronomy & Astrophysics* on high resolution imaging with LOFAR
- Linked radio emission in broad absorption line quasars with AGN activity
- First spatially resolved maps of high redshift radio galaxies, 1'' resolution at 55 MHz

## Research Goals

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My main goal is to answer fundamental questions on how super-massive black holes co-evolve with the galaxies in which they reside. I do this by using low frequency radio observations coupled with multi-wavelength data. Over the next five years, I will lead the use of high-resolution, wide-field radio imaging at low frequencies to clearly distinguish two main components in galaxy evolution: star formation, and processes associated with active galactic nuclei. This unique approach will help change our view of how active galactic nuclei help shape galaxy evolution.

## Leadership

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### Current Leadership positions

**Chair, UK SKA Science Committee**      *Mar 2023 - Feb 2025*  
**Chair, LOFAR Long Baseline Working Group**      *since Jan 2020*  
**Co-chair, LOFAR Surveys KSP: AGN & Galaxy Evolution Working Group**      *since Dec 2021*  
**Chair, e-MERLIN Time Allocation Group**      *Sep 2021 - Aug 2024*  
**UK SKA Regional Centre Delivery Board, member**      *since Jan 2023*  
**UK Square Kilometre Array Science Committee, member**      *Jan 2020 - Jan 2023*  
**Mentor, The Supernova Foundation (mentoring 2 young women in STEM)**      *since Jan 2021*  
**LOFAR Surveys KSP Core Team, member**      *since Jan 2020*

### Previous Leadership experience

• Co-chair, LOFAR Long Baseline Working Group      *2016 - 2019*  
• Aurora Leadership programme, AdvanceHE      *Nov 2019 - Mar 2021*  
• President, Oxford Women in Physics Society      *Jan 2018 - Aug 2019*  
• Oxford Physics Equality & Diversity Committee, member      *Jan 2019 - Aug 2019*  
• Organizer, Galaxies Coffee      *Oct 2017 - Aug 2019*  
• Head of AWACS PEX software implementation      *Apr - Jun 2011*

- Chair, Electronic Support Team, deployed *Jan - Sep 2009*
- Package Lead for Command, control, intelligence, surveillance and reconnaissance *Feb - Mar 2009*
- Operations Group Commander, US Air Force ROTC Detachment *Sep - Dec 2004*
- Co-Founder / President, Society of Women in Physics, University of Michigan *Sep 2004 - Apr 2005*

## Professional Experience

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- PhD interview panel member.** Helped evaluate PhD applications, select candidates, and conduct interviews. *Feb - Mar 2022*
- e-MERLIN Time Allocation Group member.** Appointed member for 3 year period. *Nov 2020 - Oct 2023*
- Scientific Organising Committee, VLBI in the SKA Era.** Helping organise scientific programme for upcoming symposium. *Feb 2022*
- Scientific Organising Committee, EAS SS16: New Physics with Gravitational Cluster Lenses.** Helped define scope, invited speakers, and select contributed talks. *Jun 2021*
- Scientific & Local organising committee, UK SKA Town Hall.** Helped organise scientific programme and logistics for online workshop. *Feb 2021*
- Organiser, LOFAR-VLBI Mini-symposium.** Organised 7 talk mini-symposium for LOFAR Surveys Collaboration. *Jun 2020*
- Scientific Organising Committee, EAS SS4: Radio-loud AGN.** Helped define scope, invited speakers, and select contributed talks. *Jun 2020*
- Lorentz Centre Workshop: High Resolution Surveying with LOFAR.** Main organiser: including writing proposal and securing funding. *Mar 2018*
- LOFAR Long Baseline Workshops.** Helped with and then co-led developing the LOFAR long baseline data reduction pipeline, and training of new users. *2015 - present*
- LOFAR Low Band Antenna Busy Week.** Led first busy week exclusively devoted to working on challenges for the LOFAR Low Band Antenna. *Mar 2016*
- LOFAR Commissioning Busy Weeks.** Participated in 10 busy weeks to commission software for low-frequency, wide-field imaging. *Jul 2012 - 2017*
- Chair of Local Organising Committee, LOFAR Busy Week 21.** Workshop with specialized talks / training for new users; 40+ global participants. *Jan 2013*
- Evaluator/Instructor Electronic Combat Officer (ECO), USAF, Capt.** Operated Passive Detection System on E-3 Airborne Warning And Control System (AWACS). Culminated career as Chief Evaluator / subject matter expert. *Aug 2008 - Aug 2011*
- Air Weapons Officer, USAF, 1Lt.** Controlled tactical aircraft from AWACS. Deployed in support of combat missions in Southwest Asia. *Jun 2005 - Aug 2008*

## Indicators of esteem

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- **JIVE Review Panel.** At the request of the Dutch Research Council (Sep 2023)
- **Mock Interviewer.** For James Webb Space Telescope Fellowship candidate (Jul 2021)
- **Degree Examiner.** PhD theses: Njeri (2022) Dudzevičiūtė (2021), Madhanpall (2019). MSc theses: Cawood (2022), Mohan (2022), O'Brien (2021), Bempong-Manful (2018)
- **Member of LOFAR 2.0 Science Advisory Panel.** Expert on using LOFAR international stations for high resolution imaging. (2018 - present)
- **Referee for papers in peer-reviewed journals.** Monthly Notices of the Royal Astronomical Society, Journal of Astrophysics and Astronomy. (2018 - present)
- **Technical review of observing proposals.** The Low Frequency Array, the Giant Metre-wave Radio Telescope, and e-MERLIN. (2017 - present)
- **Resident Shared Risk Observing, JVLA.** Granted telescope time as an expert user and assessed P-band spectroscopic utility on-site with staff at National Radio Astronomy Observatory. (Apr 2015)
- **Early upgrade to ECO instructor.** Hand-picked based on performance and ability to teach to become an instructor after only 8 months (minimum requirement 1 year).

## Funding Awards

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Jan 2023	IRIS hardware grant for FY2022, SKA high RAM server (€35,000)
Nov 2022	The UK Square Kilometre Array Regional Centre 2023-2025 (Durham PI; €262,212)
Mar 2021	Computing resources on SURFsara (EINF-262; 300k cpu hours)
Apr 2021	LOFAR-UK Request for Continued funding (3yr Software technician)
Nov 2020	UKRI Future Leaders Fellowship (~1m GBP; PDRA and PhD student)
Mar 2018	Lorentz Center workshop: High-Resolution Imaging with LOFAR (10,985 Euro) <ul style="list-style-type: none"><li>• RadioNet funding to support early-career researchers (2,000 Euro)</li><li>• Funding from ASTRON to support minority researchers (1,000 Euro)</li><li>• Lorentz Center support for workshop (7,985 Euro)</li></ul>
Dec 2017	Grant for 100 TB disk for working on data, Christ Church Research Centre (8,580 GBP)
Oct 2017	Millard & Lee Alexander Post-Doctoral Fellowship, Christ Church, 2 year room & board
Jun 2014	Leids Kerkhoven-Bosscha Fonds grant for travel to international conference (1,000 Euro)
Nov 2013	Award for contribution to successful NWO-TOP1 grant (total grant 4 million Euro)
Sep 2001	Reserve Officer Training Corps Scholarship (approximately 120,000 USD)
May 2001	University of Michigan Regents Merit Scholarship (3,000 USD)

## Advocacy

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As a woman in science, I am passionate about making our environment more inclusive for everyone. Over the years I have taken the concrete steps outlined below, but in my day-to-day life I strive to create a work environment for those around me that is welcoming and inclusive. I believe it is just as important to role model inclusive behaviour and help others achieve it as it is to take on the big, more visible tasks.

- I started and run a yearly workplace environment survey for the Astronomy section at Durham, with a focus on turning the survey results into actionable items to help improve the department. From the first survey (2021) to the next (2022), we completed ~15 items and the survey results reflected a measurably more positive outlook on the workplace environment.
- In addition to informal mentoring, I also mentor young women, largely from historically under-represented backgrounds, through the Supernova Foundation programme.
- President of Oxford Women in Physics after being a contributing member beforehand.
- Co-founded the Society of Women in Physics (SWiP) at the University of Michigan, for undergraduates.

## Honours

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Jul 2020	Nominated for Student Choice Award: Excellent Project Supervisor in Physics Teaching
Oct 2018	Better Satellite World Award for Development in Africa with Radio Astronomy
Apr 2017	Top 5% of applicants for L'Oréal-UNSECO For Women in Science Awards
2010	Electronic Combat Officer of the year
Mar 2010	'Exceptionally Qualified' Rating (top 1%), Initial Electronic Combat Officer Evaluation
Feb 2010	Distinguished Graduate, Instructor Electronic Combat Officer Training
Dec 2008	Distinguished Graduate, Electronic Combat Officer Training (perfect exam score average)
Sep 2009	Air Medal (Oak leaf cluster), for flying combat hours
Sep 2009	Air Force Achievement Medal, for leadership of Deployed Electronic Support Team
May 2008	Air Medal, for flying combat hours
May 2007	Distinguished Graduate, Initial Air Weapons Officer Qualification Training
Jul 2006	Top Scope Award, Undergraduate Air Battle Management Training
Apr 2005	College of Literature, Science & the Arts 'Angell Scholar'

## Professional Society Memberships

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Aug 2018 – present	Junior member of International Astronomical Union
Jan 2018 – present	Oxford Society of Women in Physics, President
Feb 2017 – present	Member of Royal Astronomical Society, by election
Oct 2016 – Jan 2018	Oxford Society of Women in Physics, Outreach Officer
Sep 2011 – Dec 2015	Member of American Astronomical Society
Apr 2005 – present	Member of Sigma Pi Sigma, National Physics Honors Society, by election
2004 - 2005	Co-President/founder of Society for Women in Physics, University of Michigan

## Large survey membership

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- **Member of:** LOFAR Surveys Key Science Project, SKA Extragalactic Continuum Surveys Working Group, 4MOST Community Surveys (4G-PAQS and ORCHIDSS), WEAVE-LOFAR, HETDEX, MIGHTEE, AGES-XL, RadioNet RINGS

## Allocation of Telescope time

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- **LOFAR:** 150+ hours PI projects; 250+ hours co-I projects; 1500+ hours for LOFAR Surveys
- **JVLA:** 17 hours PI projects; 230+ hours co-I projects
- **VLBA:** 450 hours co-I project (JWST NEP field)
- **GMRT:** 116 hours co-I projects
- **INT:** 12 nights co-I projects

## Observing Experience

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- GMRT radio telescope, Pune, India, 5 nights
- INT 2.5 m optical telescope, Roque de los Muchachos, La Palma, 18 nights
- MDM 2.4 m Hiltner optical telescope, Tucson, AZ, USA, 7+ nights

## Computing Skills

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- **High Performance Computing:** TORQUE and slurm queuing systems, PBS scripting, processing hundreds of TB of data simultaneously
- **Data interfacing:** Implemented Google Earth for intelligence fusion used during combat flights
- **Operating systems:** Linux, Mac, Windows, and standard packages therein
- **Programming Languages:** R, Python, IDL, Bash, FORTRAN
- **Data pipelines:** Written end-to-end pipelines for LOFAR data (high resolution / ultra low frequency)
- **Astronomical Software:** LOFAR software, AIPS, CASA, ParselTongue, HEASOFT, PIMMS, XSELECT, IRAF, CIAO, SHERPA, XSPEC, FTOOLS, STILTS

## Teaching Experience

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<b>Postgraduate Certificate in Academic Practice.</b> Successfully achieved Fellowship of the HEA.	Nov 2022
<b>Unit 4 DARA training (virtual; Ghana).</b> Delivered lectures as part of Development in Africa with Radio Astronomy (DARA) course, held in Ghana but lecturing virtually.	May 2021
<b>Radio Astronomy Lectures.</b> For first year PhD students, added topic to module for the first time.	Feb 2021
<b>Physics Tutorials.</b> Led tutorial groups for first year Physics course.	2019/2020
<b>LOFAR Data School.</b> Invited lecturer and subject matter expert in high resolution imaging (50 students).	Sep 2018, Mar 2021
<b>Lecturer, Oxford Prospects Programme.</b> Lecturer on the topic of astrophysics for groups of about 50 students, 2 week programme repeated 3x per year for Chinese students.	2017 - 2019

<b>Unit 2 &amp; 3 DARA training at HartRAO.</b> Delivered lectures, tutorials, and an invited talk as part of Development in Africa with Radio Astronomy (DARA) course at Hartebeesthoek Radio Astronomy Observatory, South Africa.	Apr 2018
<b>Teaching Assistant, Radio Astronomy MSc class.</b> Developed tutorials and practical project for 14 students, supervised hands-on sessions, organized and conducted field trip to Dutch radio observatories.	Jan - Jul 2015
<b>Instructor, Initial Electronic Combat Officer Training.</b> Primary instructor for 4 month lecture/practical course, repeated every 5 months for 4-8 students. Delivered lectures, led discussions, and helped students with simulated missions to learn critical tasks.	Sep 2009 - Aug 2011
<b>ECO Syllabus Review Conference.</b> Led ECO training syllabus review amongst instructors/evaluators, identified 50 updates to the Training Task list.	Jul 2010
<b>Squadron ECO continuing education program.</b> Designed and implemented squadron ECO continuing education program, adopted by two other squadrons.	Feb 2009
<b>Electronic Support Fundamentals Class.</b> Designed curriculum, coordinated guest speakers, and taught 5-day course to correct training deficiencies.	Jun 2011

## Student Supervision

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<b>Supervision of students.</b> Currently supervise 2 PhD and 3 MSc students, one of whom has been offered PhD positions at prestigious international universities. Previously supervised 6 MSc and 3 summer students to successful completion of research projects, one of whom is now a PhD candidate at ESO. Informally supervise 2 PhD students working on LOFAR high resolution projects.	Sep 2013 – present
<b>Co-supervision of PhD minor project.</b> Collaboration with Prof. Gal in Computer Science department at Oxford to supervise PhD project on topic of using machine learning to cross-match multi-wavelength surveys.	Apr – Jun 2018
<b>Instructor, Initial Electronic Combat Officer Flight Training.</b> Trained individuals on-the-job during flights (6 per student). Trained 35 students with an unprecedented 40% rate of Distinguished graduates (top 10% of class).	Sep 2009 - Aug 2011

## Public Engagement

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<b>Media coverage, high resolution imaging with LOFAR.</b> Extensive international coverage including BBC interview on 6pm / 10pm news; YouTube feature (Dr. Becky's channel, 320,000+ subscribers). Release of 10 papers detailing LOFAR high-resolution imaging and scientific results	Aug 2021
<b>Invited Public Lectures.</b> Lectures for general public on super-massive black holes and galaxy evolution. <ul style="list-style-type: none"> <li>• Blue Dot 2022 (unable to attend due to COVID)</li> <li>• Bishop Auckland Astronomical Society (12 people; 1 Jul 2022)</li> <li>• British Astronomical Association, Radio Division (40 people; 3 Jun 2022)</li> <li>• Whitley Bay Rotary Club (25 people; 1 Feb 2022)</li> <li>• Cleveland and Darlington Astronomical Society (35 people; 10 Sep 2021)</li> <li>• Sunderland Astronomical Society (40 people; 17 Jan 2021)</li> <li>• Guildford Astronomical Society (85 people; 7 Nov 2019)</li> <li>• Green Templeton College, Oxford (65 people; 21 Feb 2018)</li> </ul>	
<b>Soapbox Science, Reading.</b> Designed and ran interactive public engagement activity on super-massive black holes for Soapbox Science, which showcases women scientists as role models for the public.	8 Jun 2019.
<b>Outreach Coordinator, Oxford Women in Physics.</b> New position in the organisation, planning two major upcoming events within the next eight months. Contributed to events like Somerville Girls into Science Day 2017.	Oct 2016 – Jan 2018

<b>Public Outreach, Leiden Old Observatory.</b> Helped with open day for public to view the observatory, visitor's center, and participate in outreach activities.	Oct 2012, 2014
<b>Physics Girls' Inreach.</b> Developed content for and organized all logistics for public inreach targeted to 10/11 year old girls with the intent to interest them in science and show them strong female role models.	Apr 2005
<b>Angell Hall Public Viewing Nights.</b> Operated 0.6 meter telescope, Celestron 8 telescopes, and planetarium at Angell Hall Observatory for public viewing nights with the Student Astronomical Society.	Jan 2003 - Apr 2005
<b>Physics Public Outreach.</b> Taught multiple hour-long workshops on various physical principles with the Society of Physics Students.	Aug 2004 - Apr 2005

## Scientific Presentations

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### Selected invited talks at Conferences and Workshops

- Plenary speaker, New Eyes on the Universe: SKA & ngVLA *The Distant Universe* May 2023
- Inaugural speaker, URSI Commission J (Radio Astronomy) seminar series (virtual) *High resolution imaging at the lowest frequencies: technical advances driving science* 23 Mar 2022
- Science at Low Frequencies (virtual) *AGN science with sub-arcsecond imaging at MHz frequencies* 8 Dec 2021
- Keynote talk, South African Radio Astronomy Observatory Bursary Conference (virtual) *AGN highlights from sub-arcsecond imaging at low frequencies* 2 Dec 2021
- LOFAR2.0 Large Programmes Information Sessions (virtual) *LOFAR Long baseline status* 7 & 12 Oct 2021
- LOFAR Magnetism KSP Annual Meeting (virtual) *Sub-arcsecond imaging with LOFAR* 5 Jul 2021
- SKA Precursor workshop, Extragalactic Continuum meeting (virtual) *Sub-arcsecond imaging with the Low Frequency Array* 19 Mar 2021
- European Astronomical Society Annual Meeting Special Session 16 (Virtual) *High resolution at low frequencies: sub-arcsecond imaging with LOFAR* 29 Jun 2020
- SKA-VLBI Workshop (SKA Headquarters) *AGN Surveys at low frequencies with the International LOFAR Telescope* 15 Oct 2019
- Multi-messenger astronomy with SKA precursors and pathfinders (Aveiro, PT) *The Low Frequency Array and the power of radio surveys* 13 May 2019
- Oxford Scientist launch event (Oxford, UK) *My Journey in Science* 2 Jun 2019
- Astronomy and Science from the Moon (Paris Observatory, FR) *LOFAR to SKA: an observer's perspective* 22 Jun 2017
- Google Tech Talk (Munich, DE) *High Redshift Radio Galaxies and the Advent of LOFAR* 11 Oct 2013

### Invited Colloquia and seminars, typically on *A Low Frequency Radio Perspective on AGN*

- St Andrews, UK 11 Nov 2022
- Cambridge, UK 3 Nov 2022
- University of Edinburgh, UK 19 Jan 2022
- ICRAR / Curtin University, AU 27 May 2021
- University of Hertfordshire, UK 14 Jul 2021
- Liverpool John Moores University, UK 30 Oct 2019
- University of Sheffield, UK 12 Jun 2019
- Jodrell Bank Centre for Astrophysics, UK 1 May 2019
- ASTRON, NL 25 Oct 2018
- University of Southampton, UK 16 Oct 2018

• University College Dublin, IE	4 Oct 2018
• Oskar Klein Centre, SE	12 Jun 2018
• University of Sussex, UK	26 May 2017
• University of Hertfordshire, UK	13 Nov 2015
• University of Oxford, UK	12 Nov 2015
• Carnegie Observatory, USA	24 Jul 2015
• IPAC/Caltech, USA	22 Jul 2015
• University of Oklahoma, USA	16 Dec 2013
• National Radio Astronomy Observatory (Socorro), USA	25 Jul 2012

**Publication Record**  
 12 first author, 3 second-author, and 69 co-author peer-reviewed publications. Total of 3460 citations as of 27 October 2023. Students where I had a significant contribution to their supervision are italicised.

### First Author

- (1) **Morabito, Leah K.**, *Sweijen, F.*, Radcliffe, J. F., Best, P. N., Kondapally, Rohit, Bondi, Marco. *Identifying active galactic nuclei via brightness temperature with sub-arcsecond international LOFAR telescope observations.* MNRAS, 5758. **2022**, citations: 5.
- (2) **Morabito, L. K.**, Jackson, N. J., Mooney, S., *Sweijen, F.*, Badole, S., *Kukreti, P.*. *Sub-arcsecond imaging with the International LOFAR Telescope. I. Foundational calibration strategy and pipeline.* A&A, A1. **2022**, citations: 44.
- (3) **Morabito, L. K.**, Silk, J.. *Reaching small scales with low-frequency imaging: applications to the Dark Ages.* RSPTA, 20190571. **2021**, citations: 3.
- (4) **Morabito, L. K.**, Matthews, J. H., Best, P. N., Gürkan, G., Jarvis, M. J., Prandoni, I.. *The origin of radio emission in broad absorption line quasars: Results from the LOFAR Two-metre Sky Survey.* A&A, A15. **2019**, citations: 23.
- (5) **Morabito, Leah K.**, Harwood, Jeremy J.. *Investigating the cause of the -z relation.* MNRAS, 2726. **2018**, citations: 18.
- (6) **Morabito, Leah K.**, Williams, W. L., Duncan, Kenneth J., Röttgering, H. J. A., Miley, George, Saxena, Aayush. *Investigating the unification of LOFAR-detected powerful AGN in the Boötes field.* MNRAS, 1883. **2017**, citations: 14.
- (7) **Morabito, Leah K.**, Deller, Adam T., Röttgering, Huub, Miley, George, Varenius, Eskil, Shimwell, Timothy W.. *LOFAR VLBI studies at 55 MHz of 4C 43.15, a  $z = 2.4$  radio galaxy.* MNRAS, 2676. **2016**, citations: 20.
- (8) **Morabito, Leah K.**, Oonk, J. B. R., Salgado, Francisco, Toribio, M. Carmen, Röttgering, H. J. A., Tielens, A. G. G. M.. *Discovery of Carbon Radio Recombination Lines in M82.* ApJL, L33. **2014**, citations: 20.
- (9) **Morabito, Leah K.**, van Harten, Gerard, Salgado, Francisco, Oonk, J. B. R., Röttgering, H. J. A., Tielens, A. G. G. M.. *Exact bound-bound Gaunt factor values for quantum levels up to  $n = 2000$ .* MNRAS, 2855. **2014**, citations: 3.
- (10) **Morabito, Leah K.**, Dai, Xinyu, Leighly, Karen M., Sivakoff, Gregory R., Shankar, Francesco. *Unveiling the Intrinsic X-Ray Properties of Broad Absorption Line Quasars with a Relatively Unbiased Sample.* ApJ, 58. **2014**, citations: 16.
- (11) **Morabito, Leah K.**, Dai, Xinyu. *A Bayesian Monte Carlo Analysis of the M- Relation.* ApJ, 172. **2012**, citations: 11.
- (12) **Morabito, Leah K.**, Dai, Xinyu, Leighly, Karen M., Sivakoff, Gregory R., Shankar, Francesco. *Suzaku Observations of Three FeLoBAL Quasi-stellar Objects: SDSS J0943+5417, J1352+4239, and J1723+5553.* ApJ, 46. **2011**, citations: 17.

### Second Author

- (1) *Petley, J. W.*, **Morabito, L. K.**, Alexander, D. M., Rankine, A. L., Fawcett, V. A., Rosario, D. J.. *Connecting radio emission to AGN wind properties with broad absorption line quasars.* MNRAS, 5159. **2022**, citations: 3.

- (2) *Sweijen, F., Morabito, L. K., Harwood, J., van Weeren, R. J., Röttgering, H. J. A., Callingham, J. R.. High-resolution international LOFAR observations of 4C 43.15. Spectral ages and injection indices in a high-z radio galaxy.* A&A, A3. **2022**, citations: 6.
- (3) Salgado, F., **Morabito, L. K.**, Oonk, J. B. R., Salas, P., Toribio, M. C., Röttgering, H. J. A.. *Low-frequency Carbon Radio Recombination Lines. I. Calculations of Departure Coefficients.* ApJ, 141. **2017**, citations: 26.
- (4) Salgado, F., **Morabito, L. K.**, Oonk, J. B. R., Salas, P., Toribio, M. C., Röttgering, H. J. A.. *Low-frequency Carbon Radio Recombination Lines. II. The Diffuse Interstellar Medium.* ApJ, 142. **2017**, citations: 17.
- (5) Oonk, R., **Morabito, L.**, Salgado, F., Toribio, M. C., van Weeren, R. J., Tielens, A. G. G. M.. *The Physics of the Cold Neutral Medium: Low-frequency Radio Recombination Lines with the Square Kilometre Array.* Advancing Astrophysics with the Square Kilometre Array (AASKA14)139. **2015**, citations: 7.

### Co-Author

- (1) Cordun, C. M., *Timmerman, R.*, Miley, G. K., van Weeren, R. J., *Sweijen, F.*, **Morabito, L. K.** *VLBI imaging of high-redshift galaxies and protoclusters at low radio frequencies with the International LOFAR Telescope.* A&A, A29. **2023**, citations: 1.
- (2) *Venkattu, Deepika*, Lundqvist, Peter, Pérez Torres, Miguel, **Morabito, Leah**, Moldón, Javier, Conway, John. *Subarcsecond-resolution Imaging of M51 with the International LOFAR Telescope.* ApJ, 157. **2023**, citations: 1.
- (3) Kondapally, Rohit, Best, Philip N., Raouf, Mojtaba, Thomas, Nicole L., Davé, Romeel, Shabala, Stanislav S.. *Cosmic evolution of radio-AGN feedback: confronting models with data.* MNRAS, 5292. **2023**, citations: 2.
- (4) Gordon, Yjan A., Rudnick, Lawrence, Andernach, Heinz, **Morabito, Leah K.**, O’Dea, Christopher P., Achong, Kaylan-Marie. *A Quick Look at the 3 GHz Radio Sky. II. Hunting for DRAGNs in the VLA Sky Survey.* ApJS, 37. **2023**, citations: 0.
- (5) Best, P. N., Kondapally, R., Williams, W. L., Cochrane, R. K., Duncan, K. J., Hale, C. L.. *The LOFAR Two-metre Sky Survey: Deep Fields data release 1. V. Survey description, source classifications, and host galaxy properties.* MNRAS, 1729. **2023**, citations: 13.
- (6) Tardugno Poleo, Valentina, Finkelstein, Steven L., Leung, Gene, Mentuch Cooper, Erin, Gebhardt, Karl, Farrow, Daniel J.. *Identifying Active Galactic Nuclei at z 3 from the HETDEX Survey Using Machine Learning.* AJ, 153. **2023**, citations: 2.
- (7) Mahatma, V. H., Basu, A., Hardcastle, M. J., **Morabito, L. K.**, van Weeren, R. J.. *A low-frequency sub-arcsecond view of powerful radio galaxies in rich-cluster environments: 3C 34 and 3C 320.* MNRAS, 4427. **2023**, citations: 3.
- (8) Hale, C. L., Whittam, I. H., Jarvis, M. J., Best, P. N., Thomas, N. L., Heywood, I.. *MIGHTEE: deep 1.4 GHz source counts and the sky temperature contribution of star-forming galaxies and active galactic nuclei.* MNRAS, 2668. **2023**, citations: 6.
- (9) *Sweijen, F.*, Lyu, Y., Wang, L., Gao, F., Röttgering, H. J. A., van Weeren, R. J.. *Piercing the dusty veil of hyper-luminous infrared galaxies: Sub-arcsecond 144 MHz ILT observations of HLIRGs in the Lockman Hole.* A&A, A85. **2023**, citations: 0.
- (10) Callingham, J. R., Shimwell, T. W., Vedantham, H. K., Bassa, C. G., O’Sullivan, S. P., Yiu, T. W. H.. *V-LoTSS: The circularly polarised LOFAR Two-metre Sky Survey.* A&A, A124. **2023**, citations: 5.
- (11) *Timmerman, R.*, van Weeren, R. J., Botteon, A., Röttgering, H. J. A., McNamara, B. R., *Sweijen, F.* *Measuring cavity powers of active galactic nuclei in clusters using a hybrid X-ray-radio method. A new window on feedback opened by subarcsecond LOFAR-VLBI observations.* A&A, A65. **2022**, citations: 3.
- (12) Andonie, Carolina, Alexander, David M., Rosario, David, Laloux, Brivael, Georgakakis, Antonis, **Morabito, Leah K.** *A panchromatic view of infrared quasars: excess star formation and radio emission in the most heavily obscured systems.* MNRAS, 2577. **2022**, citations: 8.
- (13) Whittam, I. H., Jarvis, M. J., Hale, C. L., Prescott, M., **Morabito, L. K.**, Heywood, I.. *MIGHTEE: the nature of the radio-loud AGN population.* MNRAS, 245. **2022**, citations: 11.



- (14) *Kukreti, P., Morganti, R., Bondi, M., Oosterloo, T., Tadhunter, C., Morabito, L. K.. Seeing the forest and the trees: A radio investigation of the ULIRG Mrk 273.* A&A, A25. **2022**, citations: 1.
- (15) *Kappes, A., Burd, P. R., Kadler, M., Ghisellini, G., Bonnassieux, E., Perucho, M.. Subarcsecond view on the high-redshift blazar GB 1508+5714 by the International LOFAR Telescope.* A&A, A44. **2022**, citations: 1.
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