

# Curriculum Vitae

**Benny Trakhtenbrot**

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CONTACT INFORMATION	Tel Aviv University School of Physics and Astronomy Tel Aviv, 69978, Israel	<i>E-mail:</i> <a href="mailto:benny@astro.tau.ac.il">benny@astro.tau.ac.il</a> <i>phone:</i> +972-3-6406108 <a href="http://www.astro.tau.ac.il/~benny">http://www.astro.tau.ac.il/~benny</a>
POSITIONS	<i>Current:</i> <b>Tel Aviv University</b> , Tel Aviv, Israel: <b>Associate Professor</b> (with tenure), 2023 – present Senior Lecturer (equivalent to Assistant Prof. in the US), 2018–2022  ETH Zurich, Switzerland: Zwicky prize postdoctoral fellow in astrophysics, 2013–2018  Weizmann Institute of Science, Rehovot, Israel: Benozio prize postdoctoral fellow in astrophysics, 2012–2013	
RESEARCH INTERESTS	Supermassive Black Holes - formation, evolution and links to host galaxies; Active Galactic Nuclei - structure and accretion; extragalactic and high-redshift surveys.	
EDUCATION	<b>Tel Aviv University</b>  Ph.D. in Physics and Astronomy, 2013 <ul style="list-style-type: none"><li>• Thesis title: “The Observed Cosmic Evolution of Black Hole Mass and Accretion Rate in Active Galactic Nuclei”</li><li>• Advisor: Hagai Netzer</li></ul> B.Sc. in Physics and Computer Science, Cum Laude, 2006	
SCHOLARSHIPS, HONORS AND AWARDS	Rector’s list of top lecturers (top ~2%), Tel Aviv University, 2022 The School of Physics and Astronomy award for excellence in teaching, 2021 The Zwicky prize postdoctoral fellowship in astrophysics, ETH Zurich, 2013–2018 The Benozio prize fellowship in astrophysics, Weizmann Institute of Science, 2012 The Yuval Neeman award for outstanding academic achievement, awarded by the Tel Aviv University, 2011 The Ilan Ramon award for academic excellence and public outreach activity, awarded by the Commercial & Industrial Club, 2010 The School of Physics and Astronomy award for outstanding achievements in public outreach, awarded by the Tel Aviv University, 2010 The Dan David Scholarship for graduate students, awarded by the Dan David Foundation and the prize laureates, 2009 The School of Physics and Astronomy award for outstanding achievements in research, and in public outreach, awarded by the Tel Aviv University, 2008	
PUBLICATIONS SUMMARY	I took part in over 120 papers published in peer-reviewed journals, with a total of over 6,800 citations (11 first-author papers with over 800 citations; source: <a href="#">NASA ADS</a> ).	

TEACHING EXPERIENCE	<p><b>Lecturer</b> in various (astro)physics courses, Tel Aviv University, since 2019:</p> <ul style="list-style-type: none"> <li>• <i>Classical Mechanics / Physics 1</i> - 1st year engineering undergraduate students</li> <li>• <i>Observational Techniques</i> - (astro)physics graduate students</li> </ul> <p><b>Guest Lecturer</b> in graduate-level astrophysics courses, ETH Zurich, 2014-2016</p> <p><b>Teaching Assistant</b> in undergrad physics laboratories, Tel Aviv University, 2008-2012</p>
GRANTS	<ul style="list-style-type: none"> <li>• <b>ERC</b> - European Research Council, Starting Grant, 2021-2026: 1,684,750 Euro</li> <li>• <b>ISF</b> - Israel Science Foundation, Personal Grant, 2019-2023: 914,000 NIS (~ \$283,000)</li> </ul>
OBSERVATIONAL EXPERIENCE	<p>Extensive experience in optical/near-IR and sub-mm observations of extragalactic sources. Led successful proposals on:</p> <ul style="list-style-type: none"> <li>• <b>Hubble Space Telescope</b>, 2017-2018 (cycle-25): 12 orbits with WFC3/IR</li> <li>• <b>Very Large Telescope (VLT)</b>, Chile, 2008—present: &gt;400 hours with the X-Shooter and SINFONI instruments</li> <li>• <b>Atacama Large Millimeter Array (ALMA)</b>, Chile, 2014–2017: ~23 hours</li> <li>• <b>Keck Telescope</b>, Hawaii, 2014–2015: 6 nights with the MOSFIRE instrument</li> <li>• <b>Plateau de Bure Interferometer</b>, France, 2014–2015: 5.5 hours</li> <li>• <b>Gemini North</b>, Hawaii, 2007–2012: ~70 hours with the NIRI instrument</li> <li>• <b>Gemini South</b>, Chile, 2006: ~20 hours with the GNIRS instrument</li> </ul> <p>CO-I on proposals accepted for observations with the <i>James Webb</i> (Cycle 1, 2021), <i>Hubble</i>, <i>Herschel</i>, <i>Chandra</i>, <i>XMM-Newton</i>, <i>NICER</i>, <i>Swift</i>, and <i>Spitzer</i> space observatories.</p> <p>Extensive experience with analysis of spectroscopic data from large extragalactic surveys, including SDSS, 2QZ, 2SLAQ and zCOSMOS.</p>
SUPERVISION & MENTORING	<p>Relevant publications are highlighted in the List of Publications (below)</p> <ul style="list-style-type: none"> <li>• <b>Formal supervision of students &amp; postdocs at Tel Aviv University:</b> <ul style="list-style-type: none"> <li><i>Marzena Śniegowska</i>, Postdoc (TAU, 2022 – present)</li> <li><i>Lydia Makrygianni</i>, Postdoc (TAU, 2020–2023)</li> <li><i>Grisha Zel'tyn</i>, PhD thesis (TAU, 2021–present)</li> <li><i>Shir Aviram</i>, MSc thesis (TAU, 2022 – present)</li> <li><i>Tamir Cohen</i>, MSc thesis (TAU, 2022 – present)</li> <li><i>Aviya Zoref</i>, MSc thesis (TAU, 2022 – present)</li> <li><i>Tomer Reiss</i>, MSc thesis (TAU, 2019–2023)</li> <li><i>Grisha Zel'tyn</i>, MSc thesis (TAU, 2019–2021)</li> </ul> </li> <li>• <b>Project-oriented mentorship of students &amp; postdocs in other institutions:</b> <ul style="list-style-type: none"> <li><i>Tonima Ananna</i>, postdoc project (Dartmouth College, 2020–2022)</li> <li><i>Julián Mejía-Restrepo</i>, postdoc project (ESO Santiago, 2018–2022)</li> <li><i>Anna Weigel</i>, PhD project (ETH Zurich, 2017–2018)</li> <li><i>Lia Sartori</i>, PhD project (ETH Zurich, 2017–2018)</li> <li><i>Jakob den Brok</i>, MSc thesis (ETH Zurich, 2018–2019)</li> <li><i>Quentin Pognan</i>, MSc thesis (ETH Zurich, 2017–2019)</li> <li><i>Julián Mejía-Restrepo</i>, PhD project (U. Chile, 2014–2018)</li> <li><i>Caroline Bertemes</i>, MSc thesis (ETH Zurich, 2014–2016)</li> <li><i>Natalia Engler</i>, MSc thesis (ETH Zurich, 2014)</li> </ul> </li> </ul>
MAJOR SCIENTIFIC COL- LABORATIONS	<ul style="list-style-type: none"> <li>• <b>BAT AGN Spectroscopic Survey (BASS)</b> – co-founder and co-leader (2014–present): 50+ members, 100s of hours on advanced telescopes, 30+ papers.</li> <li>• <b>Sloan Digital Sky Survey V (SDSS-V)</b> – member (2018–present): Co-chair of a scientific Working Group &amp; member of the Collaboration Council.</li> </ul>

OTHER  
COMMUNITY  
INVOLVEMENT  
& SERVICE

- **Science Working Groups:**  
*The ULTRASAT mission*, **chair** of the AGN WG (2020–present)  
*The COSMOS-Web survey*, member of the AGN WG (2021–present)  
*The Athena X-ray Observatory*, member in two WGs (2016–present)  
*The Lynx X-ray Observatory Science and Technology Definition Team*, member in two WGs (2016-2020)
- **Panel member:** Israel Science Foundation; ESO Observing Programmes Committee; Chandra X-ray Observatory Time Allocation Committee.
- **External reviewer:** expert reviews for panels evaluating applications for the Hubble Space Telescope, and for the European Research Council (ERC).
- **Referee:** for *Nature*, *Science*, *The Astrophysical Journal* (inc. *Letters*), *Monthly Notices of the Royal Astronomical Society*, *Astronomy & Astrophysics*, and *Publications of the Astronomical Society of Japan*
- **SOC member:** “Local hard X-ray selected AGN across the multi-wavelength spectrum” (Santiago, Chile, 2018); “Are AGN Special?” (Durham, UK, 2018), “Young Astronomers on Galactic Nuclei” (Budapest, Hungary, 2018); Co-chair of the Symposium “The many faces of accreting black holes” (within the EAS 2021 meeting, Leiden/virtual); “What drives the growth of black holes: a decade of reflection” (Reykjavik, Iceland, 2022); SDSS-V Collaboration Meeting (New York City, USA, 2023).
- **LOC member:** the Inaugural Zwicky Symposium - “Confronting Ideas on Galactic Metamorphoses” (Braunwald, Switzerland, 2015)

CONFERENCE  
PRESENTATIONS  
(SELECTED)

- “The Restless Nature of AGN: 10 Years Later”, Napoli, Italy, June 2023 (talk)
- “Getting Ready To Descend The Slippery Slope Of Multimessenger Cosmological Black Holes Data”, Sesto, Italy, Jan. 2023 – **invited participant**, and talk
- SDSS-V Collaboration Meeting, virtual, Aug. 2021 – **invited plenary talk**
- “The Many Faces of Black Hole Accretion” symposium (within the EAS 2021 meeting), Leiden/virtual, July 2021 – **co-chair**
- “Gaia Science Alerts Workshop”, virtual, Jan. 2021 – talk
- “IAU Symp. 356: Nuclear Activity in Galaxies Across Cosmic Time”, Addis Ababa, Ethiopia, Oct. 2019 – **invited review talk** and session chair
- “Quasars in Crisis”, Edinburgh, UK, Aug. 2019 – talk
- The 64th Annual Meeting of the Israel Physical Society, Jerusalem, Israel, Dec. 2018 – **invited review talk**
- “Are AGN Special?”, Durham, UK, Aug. 2018 – talk
- “Massive black holes in evolving galaxies”, Paris, France, July 2018 – talk
- “AGN X-ray Surveys: Soft to Hard and Deep to Wide” (within the COSPAR General Assembly), Pasadena, CA, July 2018 – **invited review talk**
- “Local hard X-ray selected AGN across the multi-wavelength spectrum”, Santiago, Chile, Feb. 2018 – talk
- The 231th Meeting of the AAS, National Harbor, MD, Jan. 2018 – 2 talks
- “INTEGRAL Symposium 2017”, Venice, Italy, Oct. 2017 – **invited talk**
- “From *Chandra* to *Lynx*”, Cambridge, MA, Aug. 2017 – **invited talk**
- 2017 Santa Cruz Galaxy Workshop, Santa Cruz, CA, Aug. 2017 – talk
- “SMG20 - Twenty years of Submillimetre Galaxies”, Durham, UK, Aug. 2017 – talk
- “Unravelling the first billion years with next-generation observatories and modelling”

special session (within the EWASS meeting), Prague, Czech Republic, June 2017 – talk  
 “Elusive AGN in the Next Era”, Fairfax, VA, June 2017 – **invited talk**  
 “Quasars at All Cosmic Epochs”, Padova, Italy, Apr. 2017 – talk  
 “Breaking the Limits: Super-Eddington Accretion on Compact Objects”, Arbatax, Italy, Sept. 2016 – talk  
 “Emergence, Evolution and Effects of Black Holes in the Universe: The Next 50 Years of Black Hole Physics”, Aspen, CO, June-July 2016 – **invited participant**  
 “Computing the Universe: At the Intersection of Computer Science and Cosmology”, Oaxaca, Mexico, June 2016 **invited talk**  
 “X-ray View of Black Hole Activity in the Local Universe”, Zurich, Switzerland, Feb. 2016 – talk  
 The 227th Meeting of the AAS, Kissimmee, FL, Jan. 2016 – talk  
 “Inaugural Zwicky Symposium: Confronting Ideas on Galactic Metamorphoses”, Braunwald, Switzerland, Sept. 2015 – **invited talk**  
 “Unveiling the AGN-Galaxy Evolution Connection”, Puerto Varas, Chile, Mar. 2015 – talk  
 “AGN Reverberation: Present and Future”, Beijing, China, Oct. 2013 – **invited talk**  
 “Massive Black Holes: Birth, Growth and Impact”, Santa Barbara, CA, Aug. 2013 – talk  
 2013 COSMOS Team Meeting, Kyoto, Japan, May 2013 – talk  
 The 221st Meeting of the AAS, Long Beach, CA, Jan. 2013 – talk

COLLOQUIA &  
 SEMINARS  
 (SELECTED)

Univesity of Sheffield, Astrophysics seminar, May 2023  
 Hebrew University Jerusalem, Astrophysics seminar, Mar. 2022  
 University of Groningen, Papteyn Institute Colloquium, Mar. 2022  
 University of Florida, Astronomy seminar, Nov. 2021  
 Technion, Astronomy seminar, Apr. 2021  
 Ben Gurion University, Astrophysics and Cosmology seminar, Nov. 2020  
 University of Michigan, Astronomy Colloquium, Feb. 2018  
 Hebrew University Jerusalem, Astrophysics seminar, Dec. 2017  
 Technion, Astrophysics seminar, Dec. 2017  
 Weizmann Institute of Science, Astrophysics seminar, Dec. 2017  
 Tel Aviv University, Physics Colloquium, Dec. 2016  
 Hebrew University Jerusalem, Astrophysics seminar, Dec. 2016  
 Technion, Astrophysics seminar, Dec. 2016  
 Weizmann Institute of Science, Astrophysics seminar, Dec. 2016  
 Yale Center for Astronomy and Astrophysics seminar, Dec. 2015  
 Caltech tea talk, Dec. 2015  
 UC Berkeley, Cosmology seminar, Dec. 2015  
 Tel Aviv University, Astronomy seminar, Dec. 2015  
 Kavli IPMU Tokyo, Oct. 2014  
 ETH Zurich, Institute for Astronomy research seminar, May 2014  
 University of California, Irvine, Astrophysics seminar, Feb. 2015  
 University of California, Los Angeles, Astrophysics Colloquium, Feb. 2015

PUBLIC  
 OUTREACH  
 ACTIVITY

*Tel Aviv University Astronomy Club (“TAU AstroClub”)*: organizing monthly public lectures, observatory “open house” evenings, and other outreach activities (co-organizer).  
*Astronomy on Tap Tel Aviv*: short public talks about the universe, over beer (co-host).

# List of Publications

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- I took part in over 120 papers published in peer-reviewed journals, with a total of over 6,800 citations (11 first-author papers with over 800 citations; source: [NASA ADS](#)).
  - The list below is split to “major contributions” and “other refereed publications”, based on my direct contribution to each paper, and these sections are sorted in reverse chronological order.
  - As a co-founder of the [BASS project](#), I took part in over 35 BASS papers (totalling over 1,900 citations). These papers are also split according to my direct contribution.
  - The list below is sorted in reverse chronological order, with **names of supervised students and postdocs underlined**.
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REFEREED  
PUBLICATIONS

## Major Contributions

43. Ricci C., **Trakhtenbrot B.**, 2023  
“*Changing-look Active Galactic Nuclei*” (**invited review**),  
[Nature Astronomy](#), in press, arXiv:2211.05132
42. Thomas M. O., Shemmer O., **Trakhtenbrot B.**, et al., 2023  
“*Searching for the Role of Mergers in Fast and Early SMBH Growth: Morphological Decomposition of Quasars and Their Hosts at  $z \sim 4.8$* ”,  
[The Astrophysical Journal](#), 955, 15
41. Makrygianni L., **Trakhtenbrot B.**, Arcavi I., et al., 2023  
“*AT 2021loi: A Bowen Fluorescence Flare with a Rebrightening Episode Occurring in a Previously Known AGN*”,  
[The Astrophysical Journal](#), 953, 32
40. Zelty G., **Trakhtenbrot B.**, Eracleous M., et al., 2022  
“*A Transient “Changing-look” Active Galactic Nucleus Resolved on Month Timescales from First-year Sloan Digital Sky Survey V Data*”,  
[The Astrophysical Journal Letters](#), 939, L16
39. Ananna T. T., Weigel A. K., **Trakhtenbrot B.**, et al., 2022  
“*BASS. XXX. Distribution Functions of DR2 Eddington Ratios, Black Hole Masses, and X-Ray Luminosities*”,  
[The Astrophysical Journal Supplement Series](#), 261, 9
38. den Brok J. S., Koss M. J., **Trakhtenbrot B.**, et al., 2022  
“*BASS. XXVIII. Near-infrared Data Release 2: High-ionization and Broad Lines in Active Galactic Nuclei*”,  
[The Astrophysical Journal Supplement Series](#), 261, 7
37. Koss M. J., **Trakhtenbrot B.**, Ricci C., et al., 2022  
“*BASS. XXVI. DR2 Host Galaxy Stellar Velocity Dispersions*”,  
[The Astrophysical Journal Supplement Series](#), 261, 6
36. Mejía-Restrepo J. E., **Trakhtenbrot B.**, Koss M. J., et al., 2022  
“*BASS. XXV. DR2 Broad-line-based Black Hole Mass Estimates and Biases from Obscuration*”,  
[The Astrophysical Journal Supplement Series](#), 261, 5
35. Koss M. J., Ricci C., **Trakhtenbrot B.**, et al., 2022  
“*BASS. XXII. The BASS DR2 AGN Catalog and Data*”,  
[The Astrophysical Journal Supplement Series](#), 261, 2

34. Koss M. J., **Trakhtenbrot B.**, Ricci C., et al., 2022  
 “*BASS. XXI. The Data Release 2 Overview*”,  
[The Astrophysical Journal Supplement Series, 261, 1](#)
33. Zeltyn G., **Trakhtenbrot B.**, 2022  
 “*The Contribution of AGN Accretion Disks to Hydrogen Reionization*”,  
[The Astrophysical Journal, 929, 21](#)
32. Chaves-Montero J., Bonoli S., **Trakhtenbrot B.**, et al., 2022  
 “*Black hole virial masses from single-epoch photometry. The miniJPAS test case*”,  
[Astronomy and Astrophysics, 660, A95](#)
31. Nguyen N. H., Lira P., **Trakhtenbrot B.**, et al., 2020  
 “*ALMA Observations of Quasar Host Galaxies at  $z \simeq 4.8$* ”,  
[The Astrophysical Journal, 895, 74](#)
30. Pognan Q., **Trakhtenbrot B.**, Sbarrato T., et al., 2020,  
 “*Searching for Super-Eddington Quasars using a Photon Trapping Accretion Disc Model*”,  
[Monthly Notices of the Royal Astronomical Society, 492, 4058](#)
29. Suh H., Civano F., **Trakhtenbrot B.**, et al., 2020  
 “*No Significant Evolution of Relations between Black Hole Mass and Galaxy Total Stellar Mass Up to  $z \sim 2.5$* ”,  
[The Astrophysical Journal, 889, 32](#)
28. Bär R. E., **Trakhtenbrot B.**, Oh K., et al., 2019,  
 “*BAT AGN Spectroscopic Survey - XIII. The nature of the most luminous obscured AGN in the low-redshift universe*”,  
[Monthly Notices of the Royal Astronomical Society, 489, 3073](#)
27. Sartori L. F., **Trakhtenbrot B.**, Schawinski K., et al., 2019,  
 “*A Forward Modeling Approach to AGN Variability–Method Description and Early Applications*”,  
[The Astrophysical Journal, 883, 139](#)
26. **Trakhtenbrot B.**, Arcavi I., MacLeod C. L., et al., 2019,  
 “*IES 1927+654: An AGN Caught Changing Look on a Timescale of Months*”,  
[The Astrophysical Journal, 883, 94](#)
25. **Trakhtenbrot B.**, Arcavi I., Ricci C., et al., 2019  
 “*A new class of flares from accreting supermassive black holes*”,  
[Nature Astronomy, 3, 242](#)

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↓ *Papers published prior to my appointment as a TAU faculty member:* ↓

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24. Caplar N., Lilly S. J., **Trakhtenbrot B.**, 2018  
 “*AGN evolution from galaxy evolution viewpoint - II*”,  
[The Astrophysical Journal, 867, 148](#)
23. Mejía-Restrepo J. E., **Trakhtenbrot B.**, Lira P., et al., 2018  
 “*Can we improve C IV-based single-epoch black hole mass estimations?*”,  
[Monthly Notices of the Royal Astronomical Society, 478, 1929](#)
22. Ricci C., **Trakhtenbrot B.**, Koss M. J., et al., 2017  
 “*BAT AGN Spectroscopic Survey. V. X-Ray Properties of the Swift/BAT 70-month AGN Catalog*”,  
[The Astrophysical Journal Supplement Series, 233, 17](#)

21. Koss M. J., **Trakhtenbrot B.**, Ricci C., et al., 2017  
 “*BAT AGN Spectroscopic Survey. I. Spectral Measurements, Derived Quantities, and AGN Demographics*”,  
[The Astrophysical Journal](#), 850, 74
20. Ricci C., **Trakhtenbrot B.**, Koss M. J., et al., 2017  
 “*The close environments of accreting massive black holes are shaped by radiative feedback*”,  
[Nature](#), 549, 488
19. **Trakhtenbrot B.**, Ricci C., Koss M. J., et al., 2017  
 “*BAT AGN Spectroscopic Survey (BASS) - VI. The  $\Gamma_X$ - $L/L_{Edd}$  relation*”,  
[Monthly Notices of the Royal Astronomical Society](#), 470, 800
18. **Trakhtenbrot B.**, Volonteri M., Natarajan P., 2017  
 “*On the Accretion Rates and Radiative Efficiencies of the Highest-redshift Quasars*”,  
[The Astrophysical Journal Letters](#), 836, L1
17. **Trakhtenbrot B.**, Lira P., Netzer H., et al., 2017  
 “*ALMA Observations Show Major Mergers Among the Host Galaxies of Fast-growing, High-redshift Supermassive Black Holes*”,  
[The Astrophysical Journal](#), 836, 8
16. Caplar N., Lilly S. J., **Trakhtenbrot B.**, 2017  
 “*Optical Variability of AGNs in the PTF/iPTF Survey*”,  
[The Astrophysical Journal](#), 834, 111
15. Bertemes C., **Trakhtenbrot B.**, Schawinski K., et al., 2016  
 “*Testing the completeness of the SDSS colour selection for ultramassive, slowly spinning black holes*”,  
[Monthly Notices of the Royal Astronomical Society](#), 463, 4041
14. Mejía-Restrepo J. E., **Trakhtenbrot B.**, Lira P., et al., 2016  
 “*Active galactic nuclei at  $z \sim 1.5$  - II. Black hole mass estimation by means of broad emission lines*”,  
[Monthly Notices of the Royal Astronomical Society](#), 460, 187
13. **Trakhtenbrot B.**, Civano F., Urry C. M., et al., 2016  
 “*Faint COSMOS AGNs at  $z \simeq 3.3$ . I. Black Hole Properties and Constraints on Early Black Hole Growth*”,  
[The Astrophysical Journal](#), 825, 4
12. Caplar N., Lilly S. J., **Trakhtenbrot B.**, 2015  
 “*AGN Evolution from a Galaxy Evolution Viewpoint*”,  
[The Astrophysical Journal](#), 811, 148
11. **Trakhtenbrot B.**, Urry C. M., Civano F., et al., 2015  
 “*An over-massive black hole in a typical star-forming galaxy, 2 billion years after the Big Bang*”,  
[Science](#), 349, 168
10. **Trakhtenbrot B.**, 2014  
 “*The Most Massive Active Black Holes at  $z \sim 1.5-3.5$  have High Spins and Radiative Efficiencies*”,  
[The Astrophysical Journal Letters](#), 789, L9



9. Netzer H., **Trakhtenbrot B.**, 2014  
 “*Bolometric luminosity black hole growth time and slim accretion discs in active galactic nuclei*”,  
[Monthly Notices of the Royal Astronomical Society, 438, 672](#)
8. Rosario D. J., **Trakhtenbrot B.**, Lutz D., et al., 2013  
 “*The mean star-forming properties of QSO host galaxies*”,  
[Astronomy and Astrophysics, 560, A72](#)
7. **Trakhtenbrot B.**, Netzer H., 2012  
 “*Black hole growth to  $z=2$  - I. Improved virial methods for measuring  $M_{\text{BH}}$  and  $L/L_{\text{Edd}}$* ”,  
[Monthly Notices of the Royal Astronomical Society, 427, 3081](#)
6. Mor R., **Trakhtenbrot B.**, 2011  
 “*Hot-dust Clouds with Pure-graphite Composition around type-I Active Galactic Nuclei*”,  
[The Astrophysical Journal Letters, 737, L36](#)
5. **Trakhtenbrot B.**, Netzer H., Lira P., et al., 2011  
 “*Black Hole Mass and Growth Rate at  $z \simeq 4.8$ : A Short Episode of Fast Growth Followed by Short Duty Cycle Activity*”,  
[The Astrophysical Journal, 730, 7](#)
4. Shemmer O., **Trakhtenbrot B.**, Anderson S. F., et al., 2010  
 “*Weak Line Quasars at High Redshift: Extremely High Accretion Rates or Anemic Broad-line Regions?*”,  
[The Astrophysical Journal, 722, L152](#)
3. **Trakhtenbrot B.**, Netzer H., 2010  
 “*The evolution of  $M_*/M_{\text{BH}}$  between  $z=2$  and  $z=0$* ”,  
[Monthly Notices of the Royal Astronomical Society, 406, L35](#)
2. Netzer H., Lira P., **Trakhtenbrot B.**, et al., 2007  
 “*Black Hole Mass and Growth Rate at High Redshift*”,  
[The Astrophysical Journal, 671, 1256](#)
1. Netzer H., **Trakhtenbrot B.**, 2007  
 “*Cosmic Evolution of Mass Accretion Rate and Metallicity in Active Galactic Nuclei*”,  
[The Astrophysical Journal, 654, 754](#)

#### **Other Refereed Publications**

82. Auge C., Sanders D., Treister E., et al., 2023  
 “*The Accretion History of AGN: The Spectral Energy Distributions of X-Ray-luminous Active Galactic Nuclei*”,  
[The Astrophysical Journal, 957, 19](#)
81. Caglar T., Koss M. J., Burtscher L., et al., 2023  
 “*BASS. XXXV. The  $M_{\text{BH}}-\sigma^*$  Relation of 105 Month Swift-BAT Type 1 AGNs*”,  
[The Astrophysical Journal, 956, 60](#)
80. Tortosa A., Ricci C., Arévalo P., et al., 2023  
 “*BASS-XL: X-ray variability properties of unobscured active galactic nuclei*”,  
[Monthly Notices of the Royal Astronomical Society, 526, 1687](#)



79. Ding X., Onoue M., Silverman J. D., et al., 2023  
 “*Detection of stellar light from quasar host galaxies at redshifts above 6*”,  
[Nature](#), 621, 51
78. Casey C. M., Kartaltepe J. S., Drakos N. E., et al., 2023  
 “*COSMOS-Web: An Overview of the JWST Cosmic Origins Survey*”,  
[The Astrophysical Journal](#), 954, 31
77. Almeida A., Anderson S. F., Argudo-Fernández M., et al., 2023  
 “*The Eighteenth Data Release of the Sloan Digital Sky Surveys: Targeting and First Spectra from SDSS-V*”,  
[The Astrophysical Journal Supplement Series](#), 267, 44
76. Ricci C., Chang C.-S., Kawamuro T., et al., 2023  
 “*A Tight Correlation between Millimeter and X-Ray Emission in Accreting Massive Black Holes from  $\lesssim 100$  mas Resolution ALMA Observations*”,  
[The Astrophysical Journal Letters](#), 952, L28
75. Silverman J. D., Mainieri V., Ding X., et al., 2023  
 “*Resolving Galactic-scale Obscuration of X-Ray AGNs at  $z \gtrsim 1$  with COSMOS-Web*”,  
[The Astrophysical Journal Letters](#), 951, L41
74. Yang J., Wang F., Fan X., et al., 2023  
 “*A SPectroscopic Survey of Biased Halos in the Reionization Era (ASPIRE): A First Look at the Rest-frame Optical Spectra of  $z > 6.5$  Quasars Using JWST*”,  
[The Astrophysical Journal Letters](#), 951, L5
73. Wang F., Yang J., Hennawi J. F., et al., 2023  
 “*A SPectroscopic Survey of Biased Halos in the Reionization Era (ASPIRE): JWST Reveals a Filamentary Structure around a  $z = 6.61$  Quasar*”,  
[The Astrophysical Journal Letters](#), 951, L4
72. Ha T., Dix C., Matthews B. M., et al., 2023  
 “*Shedding New Light on Weak Emission-line Quasars in the C IV-H $\beta$  Parameter Space*”,  
[The Astrophysical Journal](#), 950, 97
71. Fries L. B., Trump J. R., Davis M. C., et al., 2023  
 “*The SDSS-V Black Hole Mapper Reverberation Mapping Project: Unusual Broad-line Variability in a Luminous Quasar*”,  
[The Astrophysical Journal](#), 948, 5
70. Armah M., Riffel R., Dors O. L., et al., 2023  
 “*Oxygen abundances in the narrow line regions of Seyfert galaxies and the metallicity-luminosity relation*”,  
[Monthly Notices of the Royal Astronomical Society](#), 520, 1687
69. Koss M. J., Treister E., Kakkad D., et al., 2023  
 “*UGC 4211: A Confirmed Dual Active Galactic Nucleus in the Local Universe at 230 pc Nuclear Separation*”,  
[The Astrophysical Journal Letters](#), 942, L24
68. Farina E. P., Schindler J.-T., Walter F., et al., 2022  
 “*The X-shooter/ALMA Sample of Quasars in the Epoch of Reionization. II. Black Hole Masses, Eddington Ratios, and the Formation of the First Quasars*”,  
[The Astrophysical Journal](#), 941, 106

67. Temple M. J., Ricci C., Koss M. J., et al., 2023  
 “BASS XXXIX: *Swift-BAT AGN with changing-look optical spectra*”,  
[Monthly Notices of the Royal Astronomical Society, 518, 2938](#)
66. Marcotulli L., Ajello M., Urry C. M., et al., 2022  
 “BASS. XXXIII. *Swift-BAT Blazars and Their Jets through Cosmic Time*”,  
[The Astrophysical Journal, 940, 77](#)
65. Ananna T. T., Urry C. M., Ricci C., et al., 2022  
 “*Probing the Structure and Evolution of BASS Active Galactic Nuclei through Eddington Ratios*”,  
[The Astrophysical Journal Letters, 939, L13](#)
64. Kawamuro T., Ricci C., Imanishi M., et al., 2022  
 “BASS XXXII: *Studying the Nuclear Millimeter-wave Continuum Emission of AGNs with ALMA at Scales  $\lesssim 100\text{-}200\text{ pc}$* ”,  
[The Astrophysical Journal, 938, 87](#)
63. Powell M. C., Allen S. W., Caglar T., et al., 2022  
 “BASS. XXXVI. *Constraining the Local Supermassive Black Hole-Halo Connection with BASS DR2 AGNs*”,  
[The Astrophysical Journal, 938, 77](#)
62. Ricci C., Ananna T. T., Temple M. J., et al., 2022  
 “BASS XXXVII: *The Role of Radiative Feedback in the Growth and Obscuration Properties of Nearby Supermassive Black Holes*”,  
[The Astrophysical Journal, 938, 67](#)
61. Masterson M., Kara E., Ricci C., et al., 2022  
 “*Evolution of a Relativistic Outflow and X-Ray Corona in the Extreme Changing-look AGN IES 1927+654*”,  
[The Astrophysical Journal, 934, 35](#)
60. Ricci F., Treister E., Bauer F. E., et al., 2022  
 “BASS. XXIX. *The Near-infrared View of the Broad-line Region (BLR): The Effects of Obscuration in BLR Characterization*”,  
[The Astrophysical Journal Supplement Series, 261, 8](#)
59. Oh K., Koss M. J., Ueda Y., et al., 2022  
 “BASS. XXIV. *The BASS DR2 Spectroscopic Line Measurements and AGN Demographics*”,  
[The Astrophysical Journal Supplement Series, 261, 4](#)
58. Pfeifle R. W., Ricci C., Boorman P. G., et al., 2022  
 “BASS. XXIII. *A New Mid-infrared Diagnostic for Absorption in Active Galactic Nuclei*”,  
[The Astrophysical Journal Supplement Series, 261, 3](#)
57. Li R., Ho L. C., Ricci C., et al., 2022  
 “*The Host Galaxy and Rapidly Evolving Broad-line Region in the Changing-look Active Galactic Nucleus IES 1927+654*”,  
[The Astrophysical Journal, 933, 70](#)
56. Kakkad D., Sani E., Rojas A. F., et al., 2022  
 “BASS XXXI: *Outflow scaling relations in low redshift X-ray AGN host galaxies with MUSE*”,  
[Monthly Notices of the Royal Astronomical Society, 511, 2105](#)

55. Gupta K. K., Ricci C., Tortosa A., et al., 2021  
 “*BAT AGN Spectroscopic Survey XXVII: scattered X-Ray radiation in obscured active galactic nuclei*”,  
[Monthly Notices of the Royal Astronomical Society, 504, 428](#)
54. Ricci C., Loewenstein M., Kara E., et al., 2021  
 “*The 450 Day X-Ray Monitoring of the Changing-look AGN IES 1927+654*”,  
[The Astrophysical Journal Supplement Series, 255, 7](#)
53. Malyali A., Rau A., Merloni A., et al., 2021  
 “*AT 2019avd: a novel addition to the diverse population of nuclear transients*”,  
[Astronomy and Astrophysics, 647, A9](#)
52. Koss M. J., Strittmatter B., Lamperti I., et al., 2021  
 “*BAT AGN Spectroscopic Survey. XX. Molecular Gas in Nearby Hard-X-Ray-selected AGN Galaxies*”,  
[The Astrophysical Journal Supplement Series, 252, 29](#)
51. Ricci C., Kara E., Loewenstein M., et al., 2020  
 “*The Destruction and Recreation of the X-Ray Corona in a Changing-look Active Galactic Nucleus*”,  
[The Astrophysical Journal Letters, 898, L1](#)
50. Liu T., Koss M., Blecha L., et al., 2020  
 “*The BAT AGN Spectroscopic Survey. XVIII. Searching for Supermassive Black Hole Binaries in X-Rays*”,  
[The Astrophysical Journal, 896, 122](#)
49. Smith K. L., Mushotzky R. F., Koss M., et al., 2020  
 “*BAT AGN spectroscopic survey - XV: the high frequency radio cores of ultra-hard X-ray selected AGN*”,  
[Monthly Notices of the Royal Astronomical Society, 492, 4216](#)
48. Rojas A. F., Sani E., Gavignaud I., et al., 2020  
 “*BAT AGN Spectroscopic Survey - XIX. Type 1 versus type 2 AGN dichotomy from the point of view of ionized outflows*”,  
[Monthly Notices of the Royal Astronomical Society, 491, 5867](#)
47. Koss M. J., Blecha L., Bernhard P., et al., 2018  
 “*A population of luminous accreting black holes with hidden mergers*”,  
[Nature, 563, 214](#)
46. Paliya V. S., Koss M., **Trakhtenbrot B.**, et al., 2019  
 “*BAT AGN Spectroscopic Survey. XVI. General Physical Characteristics of BAT Blazars*”,  
[The Astrophysical Journal, 881, 154](#)
45. Baek J., Chung A., Schawinski K., et al., 2019  
 “*BAT AGN Spectroscopic Survey - XVII. The parsec-scale jet properties of the ultrahard X-ray-selected local AGNs*”,  
[Monthly Notices of the Royal Astronomical Society, 488, 4317](#)
44. Gromadzki M., Hamanowicz A., Wyrzykowski L., et al., 2019  
 “*Discovery and follow-up of the unusual nuclear transient OGLE17aa $\dot{J}$* ”,  
[Astronomy and Astrophysics, 622, L2](#)

43. Ichikawa K., Ricci C., Ueda Y., et al., 2019  
“*BAT AGN Spectroscopic Survey. XI. The Covering Factor of Dust and Gas in Swift/BAT Active Galactic Nuclei*”,  
[The Astrophysical Journal, 870, 31](#)
42. Schulze A., Silverman J. D., Kashino D., et al., 2018  
“*An FMOS Survey of Moderate-luminosity, Broad-line AGNs in COSMOS, SXDS, and E-CDF-S*”,  
[The Astrophysical Journal Supplement Series, 239, 22](#)

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↓ *Papers published prior to my appointment as a TAU faculty member:* ↓

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41. Mejía-Restrepo J. E., Lira P., Netzer H., et al., 2018  
“*The effect of nuclear gas distribution on the mass determination of supermassive black holes*”,  
[Nature Astronomy, 2, 63](#)
40. Ricci C., Ho L. C., Fabian A. C., et al., 2018  
“*BAT AGN Spectroscopic Survey - XII. The relation between coronal properties of active galactic nuclei and the Eddington ratio*”,  
[Monthly Notices of the Royal Astronomical Society, 480, 1819](#)
39. Oh K., Koss M., Markwardt C. B., et al., 2018  
“*The 105-Month Swift-BAT All-sky Hard X-Ray Survey*”,  
[The Astrophysical Journal Supplement Series, 235, 4](#)
38. Powell M. C., Cappelluti N., Urry C. M., et al., 2018  
“*The Swift/BAT AGN Spectroscopic Survey. IX. The Clustering Environments of an Unbiased Sample of Local AGNs*”,  
[The Astrophysical Journal, 858, 110](#)
37. Shimizu T. T., Davies R. I., Koss M., et al., 2018  
“*BAT AGN Spectroscopic Survey. VIII. Type 1 AGN with Massive Absorbing Columns*”,  
[The Astrophysical Journal, 856, 154](#)
36. Sartori L. F., Schawinski K., **Trakhtenbrot B.**, et al., 2018  
“*A model for AGN variability on multiple time-scales*”,  
[Monthly Notices of the Royal Astronomical Society, 476, L34](#)
35. Weigel A. K., Schawinski K., Treister E., et al., 2018  
“*The fraction of AGNs in major merger galaxies and its luminosity dependence*”,  
[Monthly Notices of the Royal Astronomical Society, 476, 2308](#)
34. LaMassa S. M., Glikman E., Brusa M., et al., 2017  
“*The Hunt for Red Quasars: Luminous Obscured Black Hole Growth Unveiled in the Stripe 82 X-Ray Survey*”,  
[The Astrophysical Journal, 847, 100](#)
33. Baronchelli L., Koss M., Schawinski K., et al., 2017  
“*Inferring Compton-thick AGN candidates at  $z > 2$  with Chandra using the  $>8$  keV rest-frame spectral curvature*”,  
[Monthly Notices of the Royal Astronomical Society, 471, 364](#)

32. Weigel A. K., Schawinski K., Caplar N., et al., 2017  
 “AGNs and Their Host Galaxies in the Local Universe: Two Mass-independent Eddington Ratio Distribution Functions Characterize Black Hole Growth”,  
[The Astrophysical Journal, 845, 134](#)
31. Suh H., Civano F., Hasinger G., et al., 2017  
 “Type 2 AGN Host Galaxies in the Chandra-COSMOS Legacy Survey: No Evidence of AGN-driven Quenching”,  
[The Astrophysical Journal, 841, 102](#)
30. Lamperti I., Koss M., **Trakhtenbrot B.**, et al., 2017  
 “BAT AGN Spectroscopic Survey - IV: Near-Infrared Coronal Lines, Hidden Broad Lines, and Correlation with Hard X-ray Emission”,  
[Monthly Notices of the Royal Astronomical Society, 467, 540](#)
29. Ichikawa K., Ricci C., Ueda Y., et al., 2017  
 “The Complete Infrared View of Active Galactic Nuclei from the 70 Month Swift/BAT Catalog”,  
[The Astrophysical Journal, 835, 74](#)
28. Oh K., Schawinski K., Koss M., et al., 2017  
 “BAT AGN Spectroscopic Survey - III. An observed link between AGN Eddington ratio and narrow-emission-line ratios”,  
[Monthly Notices of the Royal Astronomical Society, 464, 1466](#)
27. Allevato V., Civano F., Finoguenov A., et al., 2016  
 “The Chandra COSMOS Legacy Survey: Clustering of X-Ray-selected AGNs at  $2.9 \leq z \leq 5.5$  Using Photometric Redshift Probability Distribution Functions”,  
[The Astrophysical Journal, 832, 70](#)
26. Marchesi S., Civano F., Salvato M., et al., 2016  
 “The Chandra COSMOS-Legacy Survey: The  $z > 3$  Sample”,  
[The Astrophysical Journal, 827, 150](#)
25. Civano F., Marchesi S., Comastri A., et al., 2016  
 “The Chandra Cosmos Legacy Survey: Overview and Point Source Catalog”,  
[The Astrophysical Journal, 819, 62](#)
24. Marchesi S., Civano F., Elvis M., et al., 2016  
 “The Chandra COSMOS Legacy survey: optical/IR identifications”,  
[The Astrophysical Journal, 817, 34](#)
23. Ueda Y., Hashimoto Y., Ichikawa K., et al., 2015  
 “[O III]  $\lambda 5007$  and X-Ray Properties of a Complete Sample of Hard X-Ray Selected AGNs in the Local Universe”,  
[The Astrophysical Journal, 815, 1](#)
22. Wong O. I., Koss M. J., Schawinski K., et al., 2016  
 “Determining the radio active galactic nuclei contribution to the radio-far-infrared correlation using the black hole Fundamental Plane relation”,  
[Monthly Notices of the Royal Astronomical Society, 460, 1588](#)
21. Capellupo D. M., Netzer H., Lira P., et al., 2016  
 “Active galactic nuclei at  $z \sim 1.5$  - III. Accretion discs and black hole spin”,  
[Monthly Notices of the Royal Astronomical Society, 460, 212](#)

20. Ricci C., Ueda Y., Koss M. J., et al., 2015  
 “*Compton-thick Accretion in the Local Universe*”,  
[The Astrophysical Journal Letters, 815, L13](#)
19. Ganot N., Gal-Yam A., Ofek E. O., et al., 2016  
 “*The Detection Rate of Early UV Emission from Supernovae: A Dedicated Galex/PTF Survey and Calibrated Theoretical Estimates*”,  
[The Astrophysical Journal, 820, 57](#)
18. Koss M. J., Assef R., Baloković M., et al., 2016  
 “*A New Population of Compton-thick AGNs Identified Using the Spectral Curvature above 10 keV*”,  
[The Astrophysical Journal, 825, 85](#)
17. Netzer H., Lani C., Nordon R., et al., 2016  
 “*Star Formation Black Hole Growth and Dusty Tori in the Most Luminous AGNs at  $z=2-3.5$* ”,  
[The Astrophysical Journal, 819, 123](#)
16. Simm T., Salvato M., Saglia R., et al., 2016  
 “*Pan-STARRS1 variability of XMM-COSMOS AGN. II. Physical correlations and power spectrum analysis*”,  
[Astronomy and Astrophysics, 585, A129](#)
15. Sartori L. F., Schawinski K., Treister E., et al., 2015  
 “*The search for active black holes in nearby low-mass galaxies using optical and mid-IR data*”,  
[Monthly Notices of the Royal Astronomical Society, 454, 3722](#)
14. Berney S., Koss M., **Trakhtenbrot B.**, et al., 2015  
 “*BAT AGN spectroscopic survey-II. X-ray emission and high-ionization optical emission lines*”,  
[Monthly Notices of the Royal Astronomical Society, 454, 3622](#)
13. Oh K., Yi S. K., Schawinski K., et al., 2015  
 “*A New Catalog of Type 1 AGNs and its Implications on the AGN Unified Model*”,  
[The Astrophysical Journal Supplement Series, 219, 1](#)
12. Plotkin R. M., Shemmer O., **Trakhtenbrot B.**, et al., 2015  
 “*Detection of Rest-frame Optical Lines from X-shooter Spectroscopy of Weak Emission Line Quasars*”,  
[The Astrophysical Journal, 805, 123](#)
11. Weigel A. K., Schawinski K., Treister E., et al., 2015  
 “*The systematic search for  $z \gtrsim 5$  active galactic nuclei in the Chandra Deep Field South*”,  
[Monthly Notices of the Royal Astronomical Society, 448, 3167](#)
10. Lanzuisi G., Ranalli P., Georgantopoulos I., et al., 2015  
 “*Compton thick AGN in the XMM-COSMOS survey*”,  
[Astronomy and Astrophysics, 573, A137](#)
9. Capellupo D. M., Netzer H., Lira P., et al., 2015  
 “*Active galactic nuclei at  $z \sim 1.5$  - I. Spectral energy distribution and accretion discs*”,  
[Monthly Notices of the Royal Astronomical Society, 446, 3427](#)



8. Sagiv I., Gal-Yam A., Ofek E. O., et al., 2014  
 “*Science with a Wide-field UV Transient Explorer*”,  
[The Astronomical Journal](#), 147, 79
7. Koss M., Blecha L., Mushotzky R., et al., 2014  
 “*SDSS1133: an unusually persistent transient in a nearby dwarf galaxy*”,  
[Monthly Notices of the Royal Astronomical Society](#), 445, 515
6. Netzer H., Mor R., **Trakhtenbrot B.**, et al., 2014  
 “*Star Formation and Black Hole Growth at  $z \simeq 4.8$* ”,  
[The Astrophysical Journal](#), 791, 34
5. Lanzuisi G., Ponti G., Salvato M., et al., 2014  
 “*Active Galactic Nucleus X-Ray Variability in the XMM-COSMOS Survey*”,  
[The Astrophysical Journal](#), 781, 105
4. Mor R., Netzer H., **Trakhtenbrot B.**, et al., 2012  
 “*Extreme Star Formation in the Host Galaxies of the Fastest Growing Supermassive Black Holes at  $z=4.8$* ”,  
[The Astrophysical Journal Letters](#), 749, L25
3. Dasyra K. M., Ho L. C., Netzer H., et al., 2011  
 “*A View of the Narrow-line Region in the Infrared: Active Galactic Nuclei with Resolved Fine-structure Lines in the Spitzer Archive*”,  
[The Astrophysical Journal](#), 740, 94
2. Sani E., Lutz D., Risaliti G., et al., 2010  
 “*Enhanced star formation in narrow-line Seyfert 1 active galactic nuclei revealed by Spitzer*”,  
[Monthly Notices of the Royal Astronomical Society](#), 403, 1246
1. Netzer H., Mainieri V., Rosati P., et al., 2006  
 “*The correlation of narrow line emission and X-ray luminosity in active galactic nuclei*”,  
[Astronomy and Astrophysics](#), 453, 525

#### BOOK CHAPTERS

1. Zabludoff A., Arcavi I., La Massa S., et al., 2021  
 “*Distinguishing Tidal Disruption Events from Impostors*”,  
[Space Science Reviews](#), 217, 54

#### CONFERENCE PROCEEDINGS (SELECTED)

17. **Trakhtenbrot B.**, 2020  
 “*What do observations tell us about the highest-redshift supermassive black holes?*”,  
[IAU Symposium 356, “Nuclear Activity in Galaxies across Cosmic Time”](#)
16. Koss M., **Trakhtenbrot B.**, et al., 2019  
 “*The BAT AGN Spectroscopic Survey (BASS) DR2, A Thousand New Spectra*”,  
[American Astronomical Society Meeting #233](#), 431.04
15. **Trakhtenbrot B.**, 2018  
 “*Physical properties of the highest redshift supermassive black holes*”,  
[42nd COSPAR Scientific Assembly](#), 42, E1.12-24-18
14. **Trakhtenbrot B.** et al., 2017  
 “*Fast-growing SMBHs in Fast-growing Galaxies, at High Redshifts: the Role of Major Mergers as Revealed by ALMA*”,  
[Frontiers in Astronomy and Space Sciences](#), 4, 49



13. [Mejía-Restrepo J. E., et al., 2017](#)  
 “*The virial factor and biases in single epoch black hole mass determinations*”,  
[Frontiers in Astronomy and Space Sciences, 4, 70](#)
12. **Trakhtenbrot B.**, et al., 2018  
 “*The  $\Gamma_{\text{X}} - L/L_{\text{Edd}}$  relation in BAT AGN Spectroscopic Survey (BASS)*”,  
[American Astronomical Society Meeting #231, 320.04](#)
11. Ricci C., **Trakhtenbrot B.**, et al., 2018  
 “*The Obscuration Properties of Local AGN*”,  
[American Astronomical Society Meeting #231, 320.02](#)
10. **Trakhtenbrot B.**, et al., 2018  
 “*A New Class of Transients Marking Intensified Accretion onto Supermassive Black Holes*”,  
[American Astronomical Society Meeting #231, 304.07](#)
9. Ricci C., Koss M., **Trakhtenbrot B.**, et al., 2017  
 “*The relation between nuclear obscuration, galaxy interactions and accretion properties of AGN*”,  
[The X-ray Universe 2017, 190](#)
8. Koss M., **Trakhtenbrot B.**, et al., 2017  
 “*The BAT AGN Spectroscopic Survey (BASS)*”,  
[American Astronomical Society Meeting #229, 402.05](#)
7. Mejía-Restrepo J., **Trakhtenbrot B.**, et al., 2016  
 “*On the accuracy of Black Hole Mass estimation from Broad Emission Lines*”,  
[Active Galactic Nuclei: What’s in a Name?, 7](#)
6. **Trakhtenbrot B.**, et al., 2016  
 “*The Observed Evolution of the Black-Hole-Host Mass Relation to  $z \sim 3.5$* ”,  
[American Astronomical Society Meeting #227, 104.02](#)
5. Mejía-Restrepo J., **Trakhtenbrot B.**, et al., 2015  
 “*Are Black Hole Masses from broad emission lines reliable*”,  
[Demographics and Environment of AGN from Multi-Wavelength Surveys, 71](#)
4. **Trakhtenbrot B.**, 2015  
 “*The Most Massive Active Black Holes at  $z \sim 1.5 - 3.5$  have High Spins and Radiative Efficiencies*”,  
[American Astronomical Society Meeting Abstracts #225, 144.09](#)
3. **Trakhtenbrot B.**, et al., 2013  
 “*Extreme Star Formation in the Host Galaxies of the Fastest Growing Supermassive Black Holes at  $z = 4.8$* ”,  
[American Astronomical Society Meeting Abstracts #221, 133.05](#)
2. **Trakhtenbrot B.**, et al., 2012  
 “*Observing the Fast Growth of Black Holes at  $z \simeq 4.8$* ”,  
[American Astronomical Society Meeting Abstracts #219, 403.05](#)
1. **Trakhtenbrot B.**, et al., 2010  
 “*Probing the Evolution of Black Hole Mass Through Cosmic Time*”,  
[IAU Symposium 267, “Evolution of Central Black Holes and Galaxies”, 269](#)