

ALESSANDRA CORSI, Ph.D.

List of Publications

Bibliography

- Co-authored more than 250 peer-reviewed journal articles.
- h-index: 82 (as of 3/2021).

Publication record as returned by NASA/ADS or Google Scholar can be accessed via the following links*:

- [Link to NASA ADS list of refereed papers](#)
- [Link to Google Scholar entry](#)

*These links select also some papers from another A. Corsi. They are not about astronomy so they are easy to identify.

Selected Refereed Journal Articles

1. Balasubramanian, **Corsi**, Mooley, Brightman, Hallinan, Hotokezaka, Kaplan, Lazzati, Murphy. Continued radio observations of GW170817 3.5 years post-merger. **Astrophysical Journal Letters**, in press, 2021 - [NASA ADS link](#)
2. Sowell, **Corsi**, and Coyne. Multi-waveform cross-correlation search method for intermediate-duration gravitational waves from gamma-ray bursts. **Physical Review D**, 100(12): 124041, 2019 - [NASA ADS link](#)
3. **Corsi**, Hallinan, Lazzati, Mooley, Murphy, Frail, Carbone, Kaplan, et al. An Upper Limit on the Linear Polarization Fraction of the GW170817 Radio Continuum. **Astrophysical Journal Letters**, 861(1):L10, 2018 - [NASA ADS link](#)
4. Mooley, Nakar, Hotokezaka, Hallinan, **Corsi**, Frail, Horesh, Murphy, et al. A mildly relativistic wide-angle outflow in the neutron-star merger event GW170817. **Nature**, 554(7691):207, 2018 - [NASA ADS link](#)
5. Hallinan, **Corsi**, Mooley, Hotokezaka, Nakar, Kasliwal, Kaplan, Frail, et al. A radio counterpart to a neutron star merger. **Science**, 358(6370):1579, 2017 (**Note: Hallinan and Corsi share first authorship on this paper**) - [NASA ADS link](#)
6. LSC and Virgo Collaboration. Search for Post-merger Gravitational Waves from the Remnant of the Binary Neutron Star Merger GW170817. **Astrophysical Journal Letters**, 851(1):L16, 2017 - [NASA ADS link](#)
7. LIGO Scientific Collaboration, Virgo Collaboration, et al. Multi-messenger Observations of a Binary Neutron Star Merger. **Astrophysical Journal Letters**, 848(2):L12, 2017 - [NASA ADS link](#)
8. Coyne, **Corsi**, and Owen. Cross-correlation method for intermediate-duration gravitational wave searches associated with gamma-ray bursts. **Physical Review D**, 93(10):104059, 2016 - [NASA ADS link](#)
9. **Corsi**, Gal-Yam, Kulkarni, Frail, Mazzali, Cenko, Kasliwal, Cao, et al. Radio Observations of a Sample of Broad-line Type Ic Supernovae Discovered by PTF/IPTF: A Search for Relativistic Explosions. **Astrophysical Journal**, 830(1):42, 2016 - [NASA ADS link](#)
10. **Corsi**, Ofek, Gal-Yam, Frail, Kulkarni, Fox, M. Kasliwal, Sullivan, et al. A Multi-wavelength Investigation of the Radio-loud Supernova PTF11qej and its Circumstellar Environment. **Astrophysical Journal**, 782(1):42, 2014 - [NASA ADS link](#)
11. **Corsi** and Owen. Maximum gravitational-wave energy emissible in magnetar flares. **Physical Review D**, 83(10):104014, 2011 - [NASA ADS link](#)

12. **Corsi** and Mészáros. Gamma-ray Burst Afterglow Plateaus and Gravitational Waves: Multimessenger Signature of a Millisecond Magnetar? **Astrophysical Journal**, 702(2):1171, 2009 - [NASA ADS link](#)
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Complete list of short-authorlist refereed publications (published and accepted)

- [1] Alessandra Corsi and Davide Lazzati. Gamma-ray burst jets in supernovae. *New Astronomy Reviews*, 92:101614, June 2021.
- [2] D. Bhakta, K. P. Mooley, A. Corsi, A. Balasubramanian, D. Dobie, D. A. Frail, G. Hallinan, D. L. Kaplan, S. T. Myers, and L. P. Singer. The JAGWAR Prowls LIGO/Virgo O3 Paper I: Radio Search of a Possible Multimessenger Counterpart of the Binary Black Hole Merger Candidate S191216ap. *Astrophysical Journal*, 911(2):77, April 2021.
- [3] N. T. Palliyaguru, A. Corsi, M. Pérez-Torres, E. Varenius, and H. Van Eerten. VLBI Observations of Supernova PTF11qej: Direct Constraints on the Size of the Radio Ejecta. *Astrophysical Journal*, 910(1):16, March 2021.
- [4] Nipuni T. Palliyaguru, Devansh Agarwal, Golnoosh Golpayegani, Ryan Lynch, Duncan R. Lorimer, Benjamin Nguyen, Alessandra Corsi, and Sarah Burke-Spolaor. A targeted search for repeating fast radio bursts associated with gamma-ray bursts. *Monthly Notices of the RAS*, 501(1):541–547, February 2021.
- [5] C. Grandorf, J. McCarty, P. Rajkumar, H. Harbin, K. H. Lee, A. Corsi, I. Bartos, Z. Márka, A. Balasubramanian, and S. Márka. Search for Radio Remnants of Nearby Off-axis Gamma-Ray Bursts in a Sample of Swift/BAT Events. *Astrophysical Journal*, 908(1):63, February 2021.
- [6] R. Ricci, E. Troja, G. Bruni, T. Matsumoto, L. Piro, B. O’Connor, T. Piran, N. Navaieelavasani, A. Corsi, B. Giacomazzo, and M. H. Wieringa. Searching for the radio remnants of short-duration gamma-ray bursts. *Monthly Notices of the RAS*, 500(2):1708–1720, January 2021.
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