

## Publications

1. Mirabal, N., Charles, E., Ferrara, E. C., Gonthier, P. L., Harding, A. K., Sánchez-Conde, M. A., and Thompson, D. J., *3FGL Demographics Outside the Galactic Plane using Supervised Machine Learning: Pulsar and Dark Matter Subhalo Interpretations*, 2016, The Astrophysical Journal, 825, 69, <http://adsabs.harvard.edu/abs/2016ApJ...825...69M>
2. Pierbattista, M., Harding, A. K., Gonthier, P. L., and Grenier, I. A., *Young and middle age pulsar light-curve morphology: Comparison of Fermi observations with  $\gamma$ -ray and radio emission geometries*, 2016, Astronomy and Astrophysics, 588, A137, <http://adsabs.harvard.edu/abs/2016A%26A...588A.137P>
3. Ickes, Jesse, Gonthier, Peter L., Eiles, Matthew, and Baring, Matthew G., *Resonant Compton Physics for Magnetar Astrophysics*, 2016, American Astronomical Society Meeting Abstracts, 227, 241.11, <http://adsabs.harvard.edu/abs/2016AAS...22724111I>
4. Venter, Christo, Kopp, Andreas, Harding, Alice K, Gonthier, Peter L, and Buesching, Ingo, *The millisecond pulsar contribution to the rising positron fraction*, 2015, arXiv:1508.04676, <http://adsabs.harvard.edu/abs/2015arXiv150804676V>
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  11. Gonthier, P. L., Billman, C. D., and Harding, A. K., *Population Synthesis of Normal Radio and Gamma-ray Pulsars Using Markov Chain Monte Carlo Techniques*, 2012, *Electromagnetic Radiation from Pulsars and Magnetars*, 466, 133, <http://adsabs.harvard.edu/abs/2012ASPC..466..133G>
  12. Pierbattista, M., Grenier, I. A., Harding, A. K., and Gonthier, P. L., *Constraining  $\gamma$ -ray pulsar gap models with a simulated pulsar population*, 2012, *Astronomy and Astrophysics*, 545, A42, <http://adsabs.harvard.edu/abs/2012A%26A...545A..42P>
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