

BRADFORD J. WARGELIN – PUBLICATIONS

REFEREED JOURNALS

1. “X-Ray, UV, and Optical Observations of Proxima Centauri’s Stellar Cycle,” B.J. Wargelin, S.H. Saar, Z.A. Irving, J.D. Slavin, P. Ratzlaff, and J.-D. do Nascimento, Jr., *Astrophys. J.* **977**, 144, 16pp (2024).
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3. “A Hale-like Cycle in the Solar Twin 18 Scorpii,” J-D. do Nascimento, Jr., et al., *Astrophys. J.* **958**, 57, 17pp (2023).
4. “Stellar Cycles in Fully Convective Stars and a New Interpretation of Dynamo Evolution,” Z.A. Irving, S.H. Saar, B.J. Wargelin, & J-D. do Nascimento, Jr., *Astrophys. J.* **949**, 51, 21pp (2023).
5. “Pointing Chandra Toward the Extreme Ultraviolet Fluxes of Very Low-Mass Stars,” J.J. Drake, V.L. Kashyap, B.J. Wargelin, & S.J. Wolk, *Astrophys. J.* **893**, 137, 16pp (2020).
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7. “Observation and Modeling of Geocoronal Charge Exchange X-Ray Emission During Solar Wind Gusts,” B.J. Wargelin, M. Kornbleuth, P.L. Martin, & M. Juda, *Astrophys. J.* **796**, 28, 14pp (2014).
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11. “EBIT Charge-Exchange Measurements and Astrophysical Applications,” B.J. Wargelin, P. Beiersdorfer, & G.V. Brown, *Can. J. Phys.* **86**, 151–169 (2008).
12. “X-Rays from Solar System Bodies,” A. Bhardwaj, et al., *Planetary and Space Science* **55**, 1135–1189 (2007).
13. “Bayesian Estimation of Hardness Ratios: Modeling and Computations,” T. Park, V.L. Kashyap, A. Siemiginowska, D.A. van Dyk, A. Zezas, C. Heinke, & B.J. Wargelin, *Astrophys. J.* **652**, 610–628 (2006).
14. “Fully Relativistic R-matrix Calculation of Electron Impact Excitation of NeIX,” G.X. Chen, R.K. Smith, K. Kirby, N.S. Brickhouse, & B.J. Wargelin, *Phys. Rev. A* **75**, 042709-1–11 (2006).

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21. “Stringent X-Ray Constraints on Mass Loss from Proxima Centauri,” B.J. Wargelin and J.J. Drake, *Astrophys. J.* **578**, 503–514 (2002).
22. “Is RX J1856.5-3754 a Quark Star?,” J.J. Drake, H.L. Marshall, S. Dreizler, P. Freeman, A. Fruscione, M. Juda, V. Kashyap, F. Nicastro, D.O. Pease, B.J. Wargelin, & K. Werner, *Astrophys. J.* **572**, 996–1001 (2001).
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29. “Low Energy X-Ray Spectrometer for an Electron Beam Ion Trap,” P. Beiersdorfer and B.J. Wargelin, *Rev. Sci. Instrum.* **65**, 13–17 (1994).

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SELECTED CONFERENCE PROCEEDINGS, NON-REFEREED JOURNALS, AND WHITE PAPERS

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2. “X-Ray Studies of Stars and Planets with Ultrahigh Sensitivity and Resolution,” S. Wolk, et al., Astro2010 Decadal Survey White Paper for the Generation-X mission (2009).
3. “X-Ray Studies of Planetary Systems,” E. Feigelson, J. Drake, R. Elsner, A. Glassgold, M. Gudel, T. Montmerle, T. Ohashi, R. Smith, B. Wargelin, & S. Wolk, Astro2010 Decadal Survey White Paper for the International X-Ray Observatory (2009).
4. “*Chandra* LETG Higher Order Diffraction Efficiencies,” B.J. Wargelin, P.W. Ratzlaff, D.O. Pease, V.L. Kashyap, & J.J. Drake, in *X-Ray and Gamma-Ray Instrumentation for Astronomy XIII*, ed. K.A. Flanagan and O.H. Siegmund, *Proc. SPIE* **5165**, 509–517 (2004).
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9. “High-Accuracy Calibration of the HXDS Flow Proportional Counter for *AXAF* at the PTB Laboratory at BESSY,” J.M. Auerhammer, G. Brandt, F. Scholze, R. Thornagel, G. Ulm, B.J. Wargelin, W.C. McDermott, T.J. Norton, I.N. Evans, & E.M. Kellogg, in *X-Ray Optics, Instruments, and Missions*, ed. R.B. Hoover and A.B.C. Walker, Jr., *Proc. SPIE* **3444**, 19–29 (1998).

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