

## David L. Windt Publications

### Peer-Reviewed Journals

1. D. L. Windt, H. Li, D. Gorelikov, E. M. Gullikson, C. Gollwitzer, M. Krumrey, and C. Laubis, 'X-ray reflective coatings made of Pt, Al<sub>2</sub>O<sub>3</sub>/Pt, and Al<sub>2</sub>O<sub>3</sub>/Ni/Pt produced by atomic layer deposition', *Appl. Opt.* 63(25), 6532-6536 (2024) doi: 0.1364/AO.535173
2. D. L. Windt, R. P. Conley, E. M. Gullikson, C. Gollwitzer, M. Krumrey, and C. Laubis, 'Bilayer and trilayer X-ray mirror coatings containing W, Pt, or Ir in combination with C, C/Co, B<sub>4</sub>C, or B<sub>4</sub>C/Ni: X-ray Reflectance, Film Stress, and Temporal Stability', *Appl. Opt.* 62(36), 9568-9576 (2023) doi: 10.1364/AO.496511
3. J. P. Mason, P. C. Chamberlin, D. Seaton, J. Burkepile, R. Colaninno, K. Dissauer, F. G. Eparvier, Y. Fan, S. Gibson, A. R. Jones, C. Kay, M. Kirk, R. Kohnert, W. D. Pesnell, B. J. Thompson, A. M. Veronig, M. J. West, D. Windt, T. N. Woods, 'SunCET: The Sun Coronal Ejection Tracker Concept', *J. Space Weather and Space Climate*, 11, 20, (2021) doi: 10.1051/swsc/2021004
4. L. A. Rachmeler, A. R. Winebarger, S. L. Savage, L. Golub, K. Kobayashi, G. D. Vigil, D. H. Brooks, J. W. Cirtain, B. De Pontieu, D. E. McKenzie, R. J. Morton, H. Peter, P. Testa, S. K. Tiwari, R. W. Walsh, H. P. Warren, C. Alexander, D. Ansell, B. L. Beabout, D. L. Beabout, C. W. Bethge, P. R. Champey, P. N. Cheimets, M. A. Cooper, H. K. Creel, R. Gates, C. Gomez, A. Guillory, H. Haight, W. D. Hogue, T. Holloway, D. W. Hyde, R. Kenyon, J. N. Marshall, J. E. McCracken, K. McCracken, K. O. Mitchell, M. Ordway, T. Owen, J. Ranganathan, B. A. Robertson, M. J. Payne, W. Podgorski, J. Pryor, J. Samra, M. D. Sloan, H. A. Soohoo, D. B. Steele, F. V. Thompson, G. S. Thornton, B. Watkinson & D. Windt, 'The High-Resolution Coronal Imager, Flight 2.1', *Solar Physics*, 294, 174 (2019) doi: 10.1007/s11207-019-1551-2
5. D. L. Windt, 'Monochromatic mammography using scanning X-ray mirrors', *Rev. Sci. Instrum.*, 89, 083702 (2018) doi:10.1063/1.5041799
6. H. L. Marshall, H. Moritz Günther, R. K. Heilmann, N. S. Schulz, M. Egan, T. Hellickson, D. L. Windt, E. M. Gullikson, B. Ramsey, G. Tagliaferri, and G. Pareschi, 'Design of a broad-band soft X-ray polarimeter', *J. Astron. Telesc. Instrum. Syst.*, 4, 011005-1 – 011005-12 (2018), doi: 10.1117/1.JATIS.4.1.011005
7. J. Goldstein, C. R. Chappell, M.W. Davis, M. H. Denton, R. E. Denton, D. L. Gallagher, G. R. Gladstone, M. B. Lecoche, B. R. Sandel, and D. L. Windt, 'Imaging the global distribution of plasmaspheric oxygen', *J. Geo. Res. – Space Physics*, , 123, 2078 – 2103 (2018), doi: 10.1002/2017JA024531
8. D. L. Windt and E. M. Gullikson, 'Pd/B<sub>4</sub>C/Y multilayer coatings for extreme ultraviolet applications near 10 nm wavelength', *App. Op.*, 54, 5850 – 5860 (2015); doi: 10.1364/AO.54.005850
9. D. L. Windt, 'Laboratory-based X-ray reflectometer for multilayer characterization in the 15-150 keV energy band', *Rev. Sci. Instrum.*, 86, 043107 (2015); doi: 10.1063/1.4916737
10. K. Kobayashi, J. Cirtain, A. R. Winebarger, K. Korreck, L. Golub, R. W. Walsh, B. De Pontieu, C. DeForest, A. Title, S. Kuzin, S. Savage, D. Beabout, B. Beabout, W. Podgorski, D. Caldwell, K. McCracken, M. Ordway, H. Begner, R. Gates, S. McKillop, P. Cheimets, S. Platt, N. Mitchell, D. Windt, 'Hi-C: The High Resolution Coronal Imager', *Solar Physics* (2014) doi: 10.1007/s11207-014-0544-4
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  14. A. J. Corso, P. Zuppella, D. L. Windt, M. Zangrando, M. G. Pelizzo, 'Extreme ultraviolet multilayer for the FERMI@Elettra free electron laser beam transport system', *Opt. Ex.*, 20, 8006 – 8014 (2012)
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  16. M. G. Pelizzo, A. J. Corso, P. Zuppella, D. L. Windt, G. Mattei and P. Nicolosi, 'Stability of EUV multilayer coatings to low energy proton bombardment', *Opt. Ex.* 19, 14838 – 14844 (2011)
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  20. M. G. Pelizzo, M. Suman, D. L. Windt, P. Zuppella and P. Nicolosi, 'EUV multilayer coated mirrors for attophysics, photolithography and space experiments: Software design procedure', *Nucl. Inst. & Meth. A*, 623, 782 – 785 (2010)
  21. D. L. Windt and J. A. Bellotti, 'Performance, structure and stability of SiC/Al multilayer films for extreme ultraviolet applications', *App. Op.*, 48, 4932 – 4941 (2009)
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