

PUBLICATIONS OF PROF. ANIL BHARDWAJ

Refereed Publications:

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4. R.P. Singhal, S.C. Chakravarty, **A. Bhardwaj**, and B. Prasad, Energetic Electron Precipitation in Jupiter's Upper Atmosphere, *Journal of Geophysical Research*, 97, 18245-18256 (1992).
5. S.A. Haider, **A. Bhardwaj**, and R.P. Singhal, Role of Auroral and Photoelectrons on the Abundances of Methane and Ammonia in the Coma of Comet Halley, *Icarus*, 101, 234-243 (1993).
6. **A. Bhardwaj** and R.P. Singhal, Optically Thin H Lyman Alpha Production on Outer Planets: Low-Energy Proton Acceleration in Parallel Electric Fields and Neutral H Atom Precipitation from Ring Current, *Journal of Geophysical Research*, 98, 9473-9481 (1993).
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12. **A. Bhardwaj** and G.R. Gladstone, Auroral Emissions of the Giant Planets, *Reviews of Geophysics*, 38, 295-353 (2000). {HIGHLIGHTED AS COVER PAGE OF THE JOURNAL}
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- Espinosa, T.E. Cravens, A Pulsating Auroral X-Ray Hot Spot on Jupiter, *Nature*, 415, 1000-1003 (2002). {NASA DID PRESS RELEASE ON THIS PAPER}
15. R.F. Elsner, G.R. Gladstone, J.H. Waite, Jr., F.J. Crary, R.R. Howell, R.E. Johnson, P.G. Ford, A.E. Metzger, K.C. Hurley, E.D. Feigelson, G.P. Garmire, **A. Bhardwaj**, D. Grodent, T. Majeed, A.F. Tennant, M.C. Weisskopf, Discovery of Soft X-Ray Emission from Io, Europa and the Io Plasma Torus, *Astrophysical Journal*, 572, 1077-1082 (2002).
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 20. R. F. Elsner, N. Lugaz, J. H. Waite, Jr., T. E. Cravens, G. R. Gladstone, P. Ford, D. Grodent, **A. Bhardwaj**, R. J. MacDowall, M. D. Desch, and T. Majeed, Simultaneous Chandra X-ray, HST Ultraviolet, and Ulysses Radio Observations of Jupiter's Aurora, *Journal of Geophysical Research*, 110, A01207, pp.1-16 (2005). {NASA DID PRESS RELEASE ON THIS PAPER}
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