

## Selected Publications

**Non-parametric Estimation of Evolution of the Quasar Luminosity Function**, Caditz, D. 2018, The Astrophysical Journal, volume 869, 2

**Recalculating the quasar luminosity function of the extended Baryon Oscillation Spectroscopic Survey**, Caditz, D. 2017, Astronomy & Astrophysics, 608, A64.

**Nonparametric Estimators for Incomplete Surveys**, Caditz, D. 2016, The Astrophysical Journal, volume 831, 1

**Generalized Continuity Equation Solutions for the QSO Luminosity Function**, Caditz, D., 2016, The Astrophysical Journal, volume 821, 2

**Selection Under Veto with Limited Foresight**, Caditz, D., 2015, [https://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=2986427](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=2986427)

**Jury Selection Games - A Theoretic Analysis**, Caditz, D., 2015, Submitted to SSRN

**On the Application of Game Theory in Jury Selection**, Caditz, D., 2014, <http://www.thejuryexpert.com/2014/08/on-the-application-of-game-theory-in-jury-selection/>

**HTTP Proxy Specification for Random Access Channels in Digital Satellite Communications**, Caditz, D. 2004, Hokupa'a Technologies.

**Demand Assigned Multiple Access Architecture for Digital Satellite Communications**, Caditz, D. and Abramson, N. 2004, Hokupa'a Technologies.

**Online Journey Through Astronomy: Course Implementation Guide**, Caditz, D., Gale, D., and Harper, B. W., 2000 1<sup>st</sup> Edition, Brooks/Cole Publishing

**Relativistic Adiabatic Shocks in Accretion Flows**, Caditz, D. and Tsuruta, S. 2000, Highly Energetic Physical Processes and Mechanisms for Emission from Astrophysical Plasmas, Proceedings of IAU Symposium #195, 6-10 July 1999. Published by Astronomical Society of the Pacific, San Francisco, p. 381.

**Technology Assessment and Preliminary Design Study of Electromechanical Actuation Systems**, Venkataramanan, G., and Caditz, D., 1999, successful Proposal to Montana Space Grant Consortium.

**A Systemic Approach to Improving K-12 Astronomy Education Using NASA's Internet Resources**. Slater, T. F., Beaudrie, B., Caditz, D. M., Governor, D. S., Roettger, E. S., Stevenson, S., Tuthill, G. 1999, Manuscript for Journal of Computers in Math and Science Teaching. Available: <http://www.thefreelibrary.com/A+Systemic+Approach+to+Improving+K-12+Astronomy+Education+Using...-a078398578>

**Integration of Image Data into Classroom Activities: Three Perspectives**, Stevenson, S., Caditz, D. and Ruscher, P. 1998, INET '98 Proceedings [http://www.isoc.org/inet98/proceedings/4x/4x\\_2.htm](http://www.isoc.org/inet98/proceedings/4x/4x_2.htm)

**Teaching Astronomy by Internet Jigsawing**, Beaudrie, B., Slater, T. F., Stevenson, S., & Caditz, D. 1998, *Leading and Learning with Technology*, 26, 2

**Adiabatic Shocks in Accretion Flows**, D. Caditz and S. Tsuruta 1998, , *Astrophysical Journal* v.501, p.242

**Effects of Shocks on Emission from the Central Engines of Active Galactic Nuclei**, Sivron, R., Caditz, D., & Tsuruta, S. 1996, *The Astrophysical Journal* v.469, p.542

**Comparing Censoring and Random Truncation via Nonparametric Estimation of a Distribution Function**, D. Caditz 1996, *Statistical Challenges in Modern Astronomy II*, Proceedings of the conference held 2-5 June, 1996 at Pennsylvania State University. Edited by G.J. Babu and E.D. Feigelson. Berlin: Springer-Verlag, 1997., p.100

**Smoothed Nonparametric Density Estimation for Censored or Truncated Samples**, D. Caditz 1996, Proceedings of the conference held 2-5 June, 1996 at Pennsylvania State University. Edited by G.J. Babu and E.D. Feigelson. Berlin: Springer-Verlag, 1997., p.429

**Effects of Shocks on Emission from AGN's Central Engines**, R.Sivron, D.Caditz, and S.Tsuruta 1996, arXiv:astro-ph/9604043v1

**Shock Induced Modifications of AGN Central Source Emission** Sivron, R., Tsuruta, S., & Caditz, D. 1994, *Bull. Am. Astron. Soc.*, Vol. 26, No. 1, p. 797

**The Luminosity-Colour Distribution of Quasar Accretion Disks**, D. Caditz 1994, Proceedings of the 33rd Herstmonceux Conference held at Cambridge, 16-22 July 1992, Cambridge: Cambridge University Press, |c1994, edited by Robinson, Andrew; Terlevich, Roberto, ISBN 0521464803

**Solar Vehicle Design**, Caditz, D., 1994, Successful Proposal to General Motors Corp.

**Statistical Evidence for Accretion Disks in Active Galactic Nuclei**, D. Caditz 1993, *Astrophysical Journal*, Part 1 (ISSN 0004-637X), vol. 411, no. 1, p. 103-107.

**The Slope of the BATSE Number-Flux Distribution**, D. Caditz 1993, *Astrophysical Journal* v.452, p.140

**Evolution of the Luminosity-Color Distribution of Quasar Accretion Disks**, D. Caditz 1993, *Astrophysical Journal*, Part 1 (ISSN 0004-637X), vol. 404, no. 2, p. 539-550.

**Smoothed Nonparametric Estimation of the Luminosity Function for Flux-limited Samples**, Caditz, D. & Petrosian, V. 1993, *Astrophysical Journal* v.416, p.450

**The Slope of the BATSE logN - Log C**, D. Caditz 1993, *Bulletin of the American Astronomical Society*, Vol. 26, p.881

**Luminosity-Function Evolution of Quasar Accretion-Disks**, D. Caditz and A. Wandel 1991, *Institute d'Astrophysique de Paris (IAP)* Edited by C. Bertout, S. Collin-Souffrin, and J. P. Lasota. Gif-sur-Yvette: Editions Frontieres, 1991., p.391

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**Evolution of the Quasar Distribution, Cosmology, and the Accretion Disk Model of AGN**, D. Caditz 1990, PH.D. Thesis, Stanford University, Stanford, CA

**Statistical and Physical Evolution of Quasi-Stellar Objects**, Caditz, D., and Petrosian, V. 1990, The Astrophysical Journal, 357, 326.

**Statistical and Physical Evolution of QSO's**, Caditz, D., and Petrosian, V. 1989, NASA STI/Recon Technical Report N, 1989

**Quasar and AGN Evolution**, Petrosian, V. & Caditz, D. Active Galactic Nuclei: proceedings of the 134th Symposium of the International Astronomical Union, held in Santa Cruz, California, August 15-19, 1988. Edited by Donald E. Osterbrock and Joseph S. Miller. International Astronomical Union. Symposium no. 134, Kluwer Academic Publishers, Dordrecht, p.59

**Cosmological Parameters and Evolution of the Galaxy Luminosity Function**, Caditz, D., and Petrosian, V. 1989, The Astrophysical Journal, volume 337, part 2 (1989), page L65

**The Evolution of the Luminosity Function of Galaxies and the Value of the Density Parameter  $\Omega$** , D. Caditz and Petrosian, V. 1987, Bulletin of the American Astronomical Society, Vol. 19, p.1106

**The Theory and Design of Multi-wire Drift Chambers**, D. Caditz, M.I.T. Bates Linear Accelerator Report (1985)