

## Andrew J. Fox Publications

First-author Refereed

- (21) **Fox, A. J.**, Barger, K. A., Wakker, B. P. et al. 2018, ApJ, 854, 142  
*Chemical Abundances in the Leading Arm of the Magellanic Stream*
- (20) **Fox, A. J.**, Lehner, N., Lockman F. J. et al. 2016, ApJL, 816, L11  
*On the Metallicity and Origin of the Smith High-Velocity Cloud*
- (19) **Fox, A. J.**, Bordoloi, R., Savage, B. D. et al. 2015, ApJL, 799, L7  
*Probing the Fermi Bubbles in UV Absorption: A Spectroscopic Signature of the Milky Way's Biconical Nuclear Outflow*
- (18) **Fox, A. J.**, Wakker, B. P., Barger, K. A., et al. 2014, ApJ, 787, 147  
*The COS/UVES Survey of the Magellanic Stream. III: Ionization, Total Mass, and Inflow Rate*
- (17) **Fox, A. J.**, Lehner, N., Tumlinson, J., et al. 2013, ApJ, 778, 187  
*The high-ion content and kinematics of low-redshift Lyman Limit Systems*
- (16) **Fox, A. J.**, Richter, P., Wakker, B. P., et al. 2013, ApJ, 772, 110  
*The COS/UVES Survey of the Magellanic Stream. I: One-Tenth Solar Abundances*
- (15) **Fox, A. J.**, Ledoux, C., Petitjean, P., Srianand, R., & Guimarães, R. 2011, A&A, 534, A82  
*High-ion absorption in the proximate DLA system toward Q0841+129*
- (14) **Fox, A. J.** 2011, ApJ, 730, 58  
*The Surprisingly Constant Strength of O VI Absorbers over Cosmic Time*
- (13) **Fox, A. J.**, Wakker, B. P., Smoker, J. V, Richter, P. et al. 2010, ApJ, 718, 1046  
*Exploring the Origin and Fate of the Magellanic Stream with UV and Optical Absorption*
- (12) **Fox, A. J.**, Prochaska, J. X., Ledoux, C., Petitjean, P., Wolfe, A. M., et al. 2009, A&A, 503, 731  
*Metal-enriched Plasma in Protogalactic Halos; A Survey of N V Absorption in DLAs*
- (11) **Fox, A. J.**, Petitjean, P., Ledoux, C., & Srianand, R. 2009, Ap&SS, 320, 27  
*Studying Hot Gas using the Ultraviolet: High Ions in Galactic Halos*
- (10) **Fox, A. J.**, Ledoux, C., Vreeswijk, P., Smette, A., & Jaunsen, A. 2008, A&A, 491, 189  
*High Ions in GRB Host Galaxies at  $z=2-4$ : Circumburst Plasma and Outflowing Interstellar Gas*
- (9) **Fox, A. J.**, Bergeron, J., & Petitjean, P. 2008, MNRAS, 388, 1557  
*A Study of Quasar Proximity in O VI Absorbers at  $z=2-3$*
- (8) **Fox, A. J.**, Petitjean, P., Ledoux, C., & Srianand, R. 2007, ApJL, 668, L15  
*Multiphase Plasma in Sub-Damped Lyman-alpha System: a Hidden Metal Reservoir*
- (7) **Fox, A. J.**, Ledoux, C., Petitjean, P., & Srianand, R. 2007, A&A, 473, 791  
*C IV absorption in damped Lyman- $\alpha$  systems: implications for galactic winds at  $z \approx 2-3$*
- (6) **Fox, A. J.**, Petitjean, P., Ledoux, C., & Srianand, R. 2007, A&A, 465, 171  
*Hot Halos around High Redshift Protogalaxies: Observations of O VI and N V in DLAs*
- (5) **Fox, A. J.**, Savage, B. D., & Wakker, B. P., 2006, ApJS, 165, 229  
*A Survey of O VI, C III, and H I in Highly Ionized HVCs*
- (4) **Fox, A. J.**, Savage, B. D., & Wakker, B. P., 2005, AJ, 130, 2418  
*Measurement of Noisy Absorption Lines using the Apparent Optical Depth Technique*
- (3) **Fox, A. J.**, Savage, B. D., Wakker, B. P., et al. 2005, ApJ, 630, 332  
*Multi-phase High-Velocity Clouds toward HE 0226-4110 and PG 0953+414*
- (2) **Fox, A. J.**, Savage, B. D., Wakker, B. P., et al. 2004, ApJ, 602, 738  
*Highly Ionized Gas Surrounding High-Velocity Cloud Complex C*
- (1) **Fox, A. J.**, Savage, B. D., Sembach, K. R., et al. 2003, ApJ, 582, 793  
*Origins of the Highly Ionized Gas along the Line of Sight toward HD 116852*

- (36) Richter, P., **Fox, A. J.**, Wakker, B. P., et al. 2018, ApJ, in press (arXiv:1808.09455)  
*New Constraints on the Nature of the Leading Arm from High-Resolution HST/STIS Observations*
- (35) Karim, M. T, **Fox, A. J.**, Jenkins, E. B., et al. 2018, ApJ, 860, 98  
*Probing the Southern Fermi Bubble in Ultraviolet Absorption using Distant AGN*
- (34) Pardy, S. A., D’Onghia, E., & **Fox, A. J.** 2018, ApJ, 857, 101  
*Formation of Multiple Magellanic Stream Filaments in the Dwarf-Dwarf Interaction Scenario*
- (33) Barger, K. A., Madsen, G., **Fox, A. J.**, Wakker, B. P., et al. 2017, ApJ, 851, 110  
*Revealing The Properties Of The Magellanic Stream Using Optical Emission*
- (32) Howk, J. C., Wotta, C. B., Berg, M. A. 2017, ... **Fox, A. J.**, et al. 2017, ApJ, 846, 141  
*Project AMIGA: A Minimal Covering Factor for Circumgalactic Gas around M31*
- (31) Savage, B. D., Kim, T.-S. **Fox, A. J.**, Massa, D., et al. 2017, ApJ, 232, 25  
*Probing The Outflowing Multiphase Gas 1 Kpc Below The Galactic Center*
- (30) O’Meara, Lehner, N., Howk., J. C., Prochaska, J. X., **Fox, A. J.**, et al. 2017, AJ, 154, 114  
*The Second Data Release Of The KODIAQ Survey*
- (29) Bordoloi, R., **Fox, A. J.**, Savage, B. D., Jenkins, E. B., et al. 2017, ApJ, 834, 191  
*Mapping the Nuclear Outflow of the Milky Way: studying the Kinematics of the Fermi Bubble*
- (28) Prochaska, J., Werk, J., Worseck, G., Tripp, T., ... **Fox, A. J.** 2017, ApJ, 837, 169  
*The COS-Halos Survey: the Metallicity of the Low-Redshift Circumgalactic Medium*
- (27) Richter, P., Nuza, S. E., **Fox, A. J.**, et al. 2017, A&A, 607, A48  
*An HST/COS legacy survey of UV absorption in the Milky Way’s CGM and Local Group*
- (26) Richter, P., Wakker, B. Fechner, C., ... **Fox, A. J.** 2016, A&A, 590, A68  
*An HST legacy survey of intervening Si III absorption in the halos of low-redshift galaxies*
- (25) D’Onghia, E., & **Fox, A. J.**, 2016, ARAA, 54, 363  
*The Magellanic Stream: Circumnavigating the Galaxy*
- (24) Werk, J., Prochaska, J., Cantalupo, S., **Fox, A. J.**, et al. 2016, ApJ, 833, 54  
*The COS-Halos Survey: The Highly Ionized Circumgalactic Medium*
- (23) O’Meara, J. M., Lehner, N., Howk, J. C., ... **Fox, A. J.**, et al. 2015, AJ, 150, 111  
*The First Data Release of the KODIAQ Survey*
- (22) Tchernyshyov, K., Meixner, M., Seale, J., **Fox, A. J.**, et al. 2015, ApJ, 811, 78  
*Elemental Depletions in the Magellanic Clouds*
- (21) Smoker, J. V., **Fox, A. J.**, & Keenan, F. 2015, MNRAS, 451, 4346  
*Large and Small-Scale Structure of the IVCs and HVCs towards the LMC and SMC*
- (20) Smoker, J. V., Keenan, F., & **Fox, A. J.** 2015, A&A, 582, A59  
*Large and Small-Scale CaII Structure from Galactic and Magellanic Sightlines*
- (19) Kumari, N., **Fox, A. J.**, Tumlinson J., et al. 2015, ApJ, 800, 44  
*A Compact HVC near the Magellanic Stream: Metallicity and Small-Scale Structure*
- (18) Bordoloi, R., Tumlinson, J., Werk, J. K., ... **Fox, A. J.** et al. 2014, ApJ, 796, 136  
*The COS-Dwarfs Survey: The Carbon Reservoir around sub-L\* Galaxies*
- (17) Werk, J., Prochaska, J., Tumlinson, J. ... **Fox, A. J.**, et al. 2014, ApJ, 792, 8  
*The COS-Halos Survey: Physical Conditions and Baryonic Mass in the Low-Redshift CGM*
- (16) Lehner, N., O’Meara, J., **Fox, A. J.**, et al. 2014, ApJ, 788, 119  
*Galactic and Circumgalactic OVI and its Impact on the Cosmological Metal and Baryon Budgets*
- (15) Richter, P., **Fox, A. J.**, Ben Bekhti, N., Murphy, M., Bomans, D., & Frank, S. 2014, AN, 335, 92  
*High-resolution absorption spectroscopy of the circumgalactic medium of the Milky Way*

- (14) Lehner, N., Howk, J. C., Tripp, T., ..., **Fox, A. J.**, & Ribaldo, J. 2013, ApJ, 770, 138  
*The Bimodal Metallicity Distribution of the Cool Circumgalactic Medium at  $z < 1$*
- (13) Richter, P., **Fox, A. J.**, Wakker, B. P., et al. 2013, ApJ, 772, 111  
*The COS/UVES Absorption Survey of the Magellanic Stream III: the Fairall 9 Sightline*
- (12) Rueff, K., Howk, J., Pitterle, M., Hirschauer, A., **Fox, A. J.**, & Savage, B. 2013, AJ, 145, 62  
*The Relationship Between Dense ISM and Diffuse Ionized Gas in Two Spirals*
- (11) Vreeswijk, P. M., Ledoux, C., Raassen, A., ..., **Fox, A. J.** et al. 2013, A&A, 549, A22  
*Time-dependent excitation/ionization modeling of absorption-line variability in GRB 080310*
- (10) Lehner, N., Howk, J. C., Thom, C., **Fox, A. J.**, et al. 2012, MNRAS, 424, 2896  
*HVCs as streams of ionized and neutral gas in the halo of the Milky Way*
- (9) De Cia, A., Ledoux, C., **Fox, A. J.**, et al. 2012, A&A, 545, A64  
*Rapid-Response Mode VLT/UVES observations of super iron-rich gas exposed to GRB 080310;*
- (8) Wakker, B. P., Savage, B. D., **Fox, A. J.**, Benjamin, R., & Shapiro, P. 2012, ApJ, 749, 157  
*Characterizing Transition Temperature Gas in the Galactic Corona*
- (7) Patat, N., Moehler, S., O'Brien, K. ..., **Fox, A. J.**, et al. 2011, A&A, 527, 91  
*Optical Atmospheric Extinction over Cerro Paranal*
- (6) Smoker, J. V., **Fox, A. J.**, & Keenan, F. 2011, MNRAS, 415, 1105  
*Distance Limits to Intermediate- and High-Velocity Clouds*
- (5) Martayan, C., Blomme, R., Le Bouquin, J.-B., ..., **Fox, A. J.**, et al. 2011, BSRSL, 80, 400  
*X-Shooter, NACO, and AMBER observations of the LBV Pistol Star*
- (4) Stalin, C., Petitjean, P., Srianand, R., **Fox, A. J.**, et al. 2010, MNRAS, 401, 294  
*Optical identification of XMM sources in the CFHTLS*
- (3) Ledoux, C., Vreeswijk, P., Smette, A., **Fox, A. J.**, et al. 2009, A&A, 506, 661  
*Physical conditions in high-redshift GRB-DLA absorbers Implications for  $H_2$  searches*
- (2) Savage, B., Lehner, N., **Fox, A. J.**, Wakker, B., & Sembach, K. 2007, ApJ, 659, 1222  
*The Abundance of Deuterium in the Warm Neutral Medium of the Lower Galactic Halo*
- (1) Savage, B. D., Wakker, B. P., **Fox, A. J.**, & Sembach, K. R. 2005, ApJ, 619, 863  
*FUSE Observations of ISM and IGM Absorption Toward BL Lac Mrk 421*

## Books

- (1) Fox, A. J. & Davé, R. Eds., 2017, Springer Astrophysics & Space Science Library  
*Gas Accretion onto Galaxies*

Conference Proceedings and Non-Refereed Articles

- (14) **Fox, A. J.**, Richter, P., Wakker, B. P., Lehner, N., Howk, J. C., Bland-Hawthorn, J. 2013, ESO Messenger, 153, 28  
*The Magellanic Stream - A Tail of Two Galaxies*
- (13) **Fox, A. J.**, Leitherer, C., Blacker, B., & Reid, I. N. 2013, STScI Newsletter, 30, 1  
*Hubble Cycle 21 Proposal Selection*
- (12) Smette, A., Ledoux, C., Vreeswijk, P., .... & **Fox, A. J.** 2013, GCN Circular 14848  
*GRB 130610A: VLT/UVES redshift*
- (11) **Fox, A. J.**, Leitherer, C., & Blacker, B. 2012, STScI Newsletter, 29, 2  
*Hubble Cycle 20 Proposal Selection*
- (10) De Cia, A., Ledoux, C., Vreeswijk, P., **Fox, A. J.**, et al. 2012, IAUS, 279, 327  
*Super iron-rich gas towards GRB 080310: SN yields or dust destruction*
- (9) **Fox, A. J.** 2012, EAS Pub. Series, ed. M. de Avillez, 56, p159  
*Observed High-ion Absorption-line Signatures of Galactic Winds*
- (8) Martayan, C., Blomme, R., Le Bouquin, J.-B., ..., **Fox, A. J.**, et al. 2011  
Proc. IAU Symposium 272, ed. C. Neiner et al., p616  
*High-angular resolution observations of the Pistol Star*
- (7) Smoker, J. V., Haddad, N., Iwert, O., ... **Fox, A. J.** et al. 2009, ESO Messenger, 138, 8  
*Report on the new MIT CCD in the UVES Red Detector Mosaic*
- (6) **Fox, A. J.**, Petitjean, P., Ledoux, C., Srianand, R. 2008, Proc. Precision Spec. in Astroph. ESO Astroph. Symp., ed. N. Santos et al. (Berlin: Springer), p85  
*Hot Halos around High-Redshift Galaxies*
- (5) **Fox, A. J.**, Petitjean, P., Ledoux, C., Srianand, R. 2007, ESO Messenger, 129, 38  
*Hot Gas in High-Redshift Protogalaxies: Observations of High-Ion Absorption in DLAs*
- (4) **Fox, A. J.**, Savage, B. D., et al., ASP Conf Proc 348, ed. Sonneborn & Moos, p385  
*Multi-phase High-Velocity Clouds toward HE 0226-4110*
- (3) Wakker, B. P., Savage, B. D., Sembach, K. R., Richter, P., & **Fox, A. J.** 2005  
ASP Conf Proc 331, 'Extra-Planar Gas', ed. R. Braun (San Francisco: ASP), p11  
*High-velocity O VI in and near the Milky Way*
- (2) **Fox, A. J.**, Savage, B. D., et al. 2005, ASP Conf Proc 331, 'Extra-Planar Gas'  
*Multi-phase High-Velocity Clouds toward HE 0226-4110 and PG 0953+414*
- (1) **Fox, A. J.**, Savage, B. D., et al. 2003, The IGM/Galaxy Connection, ASSL, 281  
ed. J. Rosenberg & M. Putman, (Dordrecht: Kluwer Academic Publishing), p175  
*Highly Ionized Gas in HVCs - The PG 1259+593 Sight Line through Complex C*