

# Andrew J. Fox Publications

First-author Refereed

- (24) **Fox, A. J.**, Cashman, F. H., Kriss, G. A., et al. 2023, ApJL, 946, L48  
*Detection of Dust in High-velocity Cloud Complex C*
- (23) **Fox, A. J.**, Frazer, E. M., Bland-Hawthorn, J., et al. 2020, ApJ, 897, 23  
*Kinematics of the Magellanic Stream and the Imprint of a Galactic Center Flare*
- (22) **Fox, A. J.**, Richter, P., Ashley, T. et al. 2019, ApJ, 884, 53  
*The Mass Inflow and Outflow Rates of the Milky Way*
- (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: the MW 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, 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., 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 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*

Second or Third Author Refereed

†: publication I supervised

- (34) †Cashman, F. H., **Fox, A. J.**, Som., D. et al. 2024, ApJ, almost submitted  
*Ultraviolet Observations of Multi-phase Gas in the Inner-Galaxy Spiral Arms*
- (33) †Mishra, S., **Fox, A. J.**, Krishnarao, D., et al. 2024, ApJ Letters, submitted  
*The Truncated Circungalactic Medium in the Large Magellanic Cloud*
- (32) Lucchini, S., D’Onghia, E., **Fox, A. J.** 2024, ApJ, 967, 16  
*Properties of the Magellanic Corona*
- (31) †Ashley, T., **Fox, A. J.**, Lockman, F. J., et al. 2024, ApJ, 961, 94  
*The Metallicity of Five Small High-velocity Clouds*
- (30) †Soto, C., Ashley, T., **Fox, A. J.** et al. 2023, ApJ, 954, 64  
*The Signature of the Fermi and eROSITA Bubbles in low-velocity UV Absorption*
- (29) †Cashman, F. H., **Fox, A. J.**, Wakker, B. P., et al. 2023, ApJ, 944, 65  
*Caught in the Act: A Metal-Rich High-Velocity Cloud in the Inner Galaxy*
- (28) †Krishnarao, D., **Fox, A. J.**, D’Onghia, E., et al. 2022, Nature, 609, 915  
*Observations of a Magellanic Corona*
- (27) †Ashley, T., **Fox, A. J.**, Cashman F. H., et al. 2022, Nature Astronomy, 6, 968  
*Diverse metallicities of Fermi bubble clouds indicate dual origins in the disk and halo*
- (26) Clark, S., Bordoloi, R., **Fox, A. J.** 2022, MNRAS, 512, 811  
*Spatially resolved gas flows around the Milky Way*
- (25) †Cashman, F. H., **Fox, A. J.**, Savage, B. D. et al. 2021, ApJL, 923, L11  
*Molecular Gas within the Milky Way’s Nuclear Wind*
- (24) †French, D. M., **Fox, A. J.**, Wakker, B. P., et al. 2021, ApJ, 923, 50  
*Surveying H I in the Galactic Halo with H I Absorption*
- (23) De Cia, A., Jenkins, E., & **Fox, A. J.**, et al. 2021, Nature, 597, 206  
*Large Metallicity Variations in the Galactic Interstellar Medium*
- (22) Lucchini, S., D’Onghia, E., & **Fox, A. J.**, 2021, ApJL, 921, L36  
*The Magellanic Stream at 20 kpc: A New Orbital History for the Magellanic Clouds*
- (21) Lucchini, S., D’Onghia, E., & **Fox, A. J.** 2020, Nature, 585, 203  
*The Magellanic Corona as the key to the formation of the Magellanic Stream*

- (20) †Ashley, T. L. **Fox, A. J.**, Jenkins, E. B. et al. 2020, ApJ, 898, 128  
*Mapping Outflowing Gas in the Fermi Bubbles*
- (19) Richter, P., **Fox, A. J.**, Wakker, B. P., et al. 2018, ApJ, 865, 145  
*New Constraints on the Nature of the Leading Arm from HST/STIS Observations*
- (18) †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*
- (17) Pardy, S. A., D’Onghia, E., & **Fox, A. J.** 2018, ApJ, 857, 101  
*Formation of the Magellanic Stream in the Dwarf-Dwarf Interaction Scenario*
- (16) Barger, K. A., Madsen, G., **Fox, A. J.**, et al. 2017, ApJ, 851, 110  
*Revealing The Properties Of The Magellanic Stream Using Optical Emission*
- (15) 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*
- (14) †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: Fermi Bubble Kinematics*
- (13) 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*
- (12) D’Onghia, E., & **Fox, A. J.**, 2016, ARAA, 54, 363  
*The Magellanic Stream: Circumnavigating the Galaxy*
- (11) 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*
- (10) Smoker, J. V., Keenan, F., & **Fox, A. J.** 2015, A&A, 582, A59  
*Large and Small-Scale CaII Structure from Galactic and Magellanic Sightlines*
- (9) †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*
- (8) Lehner, N., O’Meara, J., **Fox, A. J.**, et al. 2014, ApJ, 788, 119  
*Galactic and Circumgalactic OVI and its Impact on the Cosmological Baryon Budget*
- (7) Richter, P., **Fox, A. J.**, Ben Bekhti, N., et al. 2014, AN, 335, 92  
*High-resolution absorption spectroscopy of the circumgalactic medium of the Milky Way*
- (6) Richter, P., **Fox, A. J.**, Wakker, B. P., et al. 2013, ApJ, 772, 111  
*The COS/UVES Absorption Survey of the Magellanic Stream II: Fairall 9*
- (5) De Cia, A., Ledoux, C., **Fox, A. J.**, et al. 2012, A&A, 545, A64  
*Rapid-Response VLT/UVES observations of super iron-rich gas exposed to GRB 080310*
- (4) 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*
- (3) Smoker, J. V., **Fox, A. J.**, & Keenan, F. 2011, MNRAS, 415, 1105  
*Distance Limits to Intermediate- and High-Velocity Clouds*
- (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*

## Other Co-author Refereed

- (43) Sameer, Lehner, N., Howk, J. C. , ... **Fox, A. J.** et al. 2024, ApJ, submitted  
*The COS CGM Compendium. V: the dichotomy in the O VI properties*
- (42) Vazquez, J., Barger, K. A., ... **Fox, A. J.** et al. 2024, ApJ, submitted  
*Dust in the Smith Cloud? A UV Investigation into Gas-Phase Abundances*
- (41) Ramburuth-Hurt, T., de Cia, A., ... **Fox, A. J.** et al. 2024, A&A, submitted  
*Investigating ISM chemical variations in the Solar neighbourhood*
- (40) Poudel, S., Horton, S., Vazquez, J., ... **Fox, A. J.** et al. 2024, ApJ, submitted  
*The Gaseous Blowout of the 30 Doradus Starburst Region in the LMC*
- (39) Borthakur, S., Padave, M., ... **Fox, A. J.** et al. 2024, ApJ, submitted  
*DIISC Survey: Deciphering the Interplay Between the ISM, stars, and CGM*
- (38) Sirressi, M., Adamo, A., Hayes, M., ... **Fox, A. J.** et al. 2024, AJ, 167, 166  
*CLusters in the Uv as EngineS (CLUES). II. Subkiloparsec-scale Outflows*
- (37) Augustin, R., Péroux, C., Karki, A., ... **Fox, A. J.** et al. 2024, 528, 6159  
*MUSE-ALMA Haloes X: the stellar masses of gas-rich absorbing galaxies*
- (36) De Cia, A., Roman-Duval, J., ... **Fox, A. J.** et al. 2024, A&A, 683, A216  
 *$\alpha$ -element enhancements in the ISM of the LMC and SMC*
- (35) Padave, M., Borthakur, S., Gim, H. B., ... **Fox, A. J.** et al. 2024, ApJ, 960, 24  
*DIISC-III. Signatures of Stellar Disk Growth in Nearby Galaxies*
- (34) Karki, A., Kulkarni, V. P., Weng, S., ... **Fox, A. J.** et al. 2023, MNRAS, 524, 5524  
*MUSE-ALMA Haloes - IX. Morphologies and stellar properties of gas-rich galaxies*
- (33) Weng, S., Péroux, C., Karki, A. ... **Fox, A. J.** et al. 2023, MNRAS, 523, 676  
*MUSE-ALMA Haloes XI: gas flows in the circumgalactic medium*
- (32) Berg, M., Lehner, N., Howk, J. C., ... **Fox, A. J.** et al. 2023, ApJ , 944, 101  
*The Bimodal Absorption System Imaging Campaign (BASIC). I. A Dual Population*
- (31) Péroux, C., Weng, S., Karki, A., ... **Fox, A. J.** et al. 2022, MNRAS, 516, 5618  
*MUSE-ALMA Haloes VII: Survey Science Goals*
- (30) Sirressi, M., Adamo, A., Hayes, M., ... **Fox, A. J.** et al. 2022, AJ, 164, 208  
*Clusters in the UV as Engines (CLUES). I. Survey Presentation*
- (29) Gibson, J. L., Lehner, N, Oppenheimer, B. D.,... , **Fox, A.J.** et al. 2022, AJ, 164, 9  
*The COS CGM Compendium. IV. Effects of Varying Ionization Backgrounds*
- (28) Heitsch, F., Goodson, M. D., Frazer, C. C., **Fox A. J.** 2022, MNRAS, 509, 4515  
*Mass, morphing, metallicities: the evolution of infalling high velocity clouds*
- (27) Padave, M., Borthakur, S., Gim, H. B., ... **Fox, A. J.** et al. 2021, ApJ, 923, 199  
*DIISC-II: Unveiling the Connections between Star Formation and the ISM in NGC 3344*
- (26) Gim, H., Borthakur, S., Momjian, E. ... **Fox, A. J.** et al. 2021, ApJ, 922, 69  
*DIISC-I: The Discovery of Kinematically Anomalous H I Clouds in M100*
- (25) Hernandez, S., Aloisi, A., James, B..... **Fox, A. J.** et al. 2021, ApJ, 908, 226  
*First Cospatial Comparison of Stellar and ISM Metallicities in M83*
- (24) Kim, T.-S., Wakker, B., Nasir, F., ... **Fox A. J.** et al. 2021, MNRAS, 501, 5811  
*The evolution of the low-density H I IGM from  $z=3.6$  to 0*

- (23) Lehner, N., Berek, S. C., Howk, J. C... **Fox A. J.** et al. 2020, ApJ 900, 9  
*Project AMIGA: The Circumgalactic Medium of Andromeda*
- (22) Hernandez, S., Aloisi, A., James, B..... **Fox, A. J.** et al. 2020, ApJ, 892, 19  
*Newly Improved Ionization Corrections for the Neutral Interstellar Medium*
- (21) Zheng, Y., Putman, M., Emerick, A., ... **Fox, A. J.**, et al. 2019, MNRAS, 490, 467  
*The Circum-Galactic Medium of The Isolated Low-Mass Dwarf Galaxy WLM*
- (20) Bland-Hawthorn, J., Maloney, P., Groves, B., ... & **Fox, A. J.** 2019, ApJ, 886, 45  
*The Large-Scale Ionization Cones in the Galaxy*
- (19) Hernandez, S., Larsen, S., Aloisi, A. ... **Fox, A. J.**, et al. 2019, ApJ, 872, 116  
*The First Metallicity Study of M83 Using the Integrated UV Light of Star Clusters*
- (18) Richter, P., Pingel, B., Wakker, B., Pingel, N., **Fox, A. J.**, et al. 2018, ApJ, 868, 112  
*Circumgalactic Gas at its extreme: Tidal Gas around the Whale Galaxy NGC 4631*
- (17) 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*
- (16) O'Meara, Lehner, N., Howk., J. C., ... **Fox, A. J.**, et al. 2017, AJ, 154, 114  
*The Second Data Release Of The KODIAQ Survey*
- (15) 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*
- (14) Richter, P., Wakker, B. Fechner, C., ... **Fox, A. J.** 2016, A&A, 590, A68  
*An HST legacy survey of intervening Si III absorption at low-redshift*
- (13) Werk, J., Prochaska, J., Cantalupo, S., **Fox, A. J.**, et al. 2016, ApJ, 833, 54  
*The COS-Halos Survey: The Highly Ionized Circumgalactic Medium*
- (12) 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*
- (11) Tchernyshyov, K., Meixner, M., Seale, J., **Fox, A. J.**, et al. 2015, ApJ, 811, 78  
*Elemental Depletions in the Magellanic Clouds*
- (10) 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*
- (9) 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-z CGM*
- (8) 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  $z < 1$*
- (7) Rueff, K., Howk, J., ... **Fox, A. J.**, & Savage, B. 2013, AJ, 145, 62  
*The Relationship Between Dense ISM and Diffuse Ionized Gas in Two Spirals*
- (6) Vreeswijk, P. M., Ledoux, C., Raassen, A., ..., **Fox, A. J.** et al. 2013, A&A, 549, A22  
*Time-dependent excitation modeling of absorption-line variability in GRB 080310*
- (5) 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*

- (4) Patat, N., Moehler, S., O'Brien, K. ..., **Fox, A. J.**, et al. 2011, A&A, 527, 91  
*Optical Atmospheric Extinction over Cerro Paranal*
- (3) 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*
- (2) Stalin, C., Petitjean, P., Srianand, R., **Fox, A. J.**, et al. 2010, MNRAS, 401, 294  
*Optical identification of XMM sources in the CFHTLS*
- (1) 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<sub>2</sub> searches*

## Books

- (1) Fox, A. J. & Davé, R. Eds., 2017, Springer Astrophysics & Space Science Library, Vol. 430  
*Gas Accretion onto Galaxies*

## Conference Proceedings and Non-Refereed Articles

- (18) Luisi, M., Krishnarao, ... **Fox, A. J.** et al. 2024, RNAAS, 8, 186  
*Radio Recombination Line Observations toward the Fermi Bubble*
- (17) **Fox, A. J.**, Kumari, N., Ashley, T. 2021, RNAAS, 5, 198  
*A Near-infrared Search for Molecular Gas in the Fermi Bubbles*
- (16) **Fox, A. J.**, Barger, K. A., Bland-Hawthorn, J. et al. 2019,  
Astro2020 White Paper, *The Magellanic Stream as a Probe of Astrophysics*
- (15) **Fox, A. J.**, Ashley, T., Benjamin, R. A. et al. 2019,  
Astro2020 White Paper, *Spectroscopic Observations of the Fermi Bubbles*
- (14) **Fox, A. J.**, Richter, P., Wakker, B. P., et al. 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 Aveliz, 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  
IAU Symp 272, 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, ESO Astroph. Symp. 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 331, 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, p175  
*Highly Ionized Gas in HVCs - The PG 1259+593 Sight Line through Complex C*

## Hubble Space Telescope Instrument Science Reports (ISRs)

### First author

- (8) **Fox, A. J.**, James, B., & Dashtamirova, D. 2020, et al. COS ISR 2020-05  
*Testing for Systematics when moving the COS Aperture Block*
- (7) **Fox, A. J.**, James, B., & Frazer, E. 2019, COS ISR 2019-10  
*The Dispersion Solution for the New COS/FUV Cenwave G160M/1533*
- (6) **Fox, A. J.**, James, B., & Frazer, E. 2019, COS ISR 2019-10  
*The Flux Calibration of the New COS/FUV Cenwave G160M/1533*
- (5) **Fox, A. J.**, 2018, COS ISR 2018-08  
*The Spatial Resolution of the COS FUV channel at Lifetime Position 4*
- (4) **Fox, A. J.**, James, B., Roman-Duval, J., et al. 2018, COS ISR 2018-07  
*The Spectral Resolution of the COS FUV channel at Lifetime Position 4*
- (3) **Fox, A. J.**, Penton, S., & Taylor, J. 2017, COS ISR 2017-17  
*Focusing the COS/FUV G160M and G140L Gratings at Lifetime Position 4*
- (2) **Fox, A. J.**, Debes, J., & Roman-Duval, J. 2015, COS ISR 2015-05  
*Verification of Bright Object Aperture Operations at Lifetime Position 3*
- (1) **Fox, A. J.**, Oliveira, C., Penton, S., et al. 2015, COS ISR 2015-01  
*The COS/FUV Focus Sweep Program at Lifetime Position 3 (LENA2/13635)*

### Co-author

- (7) James, B., Frazer, E., **Fox, A. J.**, et al. 2019, COS ISR 2019-07  
*Lamp Template for the new COS/FUV Cenwave G160M/1533*
- (6) James, B., **Fox, A. J.**, & Frazer, E. 2019, COS ISR 2019-06  
*Focusing the New COS/FUV Cenwave G160M/1533*
- (5) Sankrit, R., Fischer, W. J., Magness, C., & **Fox, A. J.** 2019, COS ISR 2019-01  
*G140L/800 Focus Sweep*
- (4) Frazer, E., **Fox, A. J.**, James, B., et al. 2019, COS ISR 2019-08  
*Spectral Extraction of the New COS/FUV G160M/1533 Mode*
- (3) Roman-Duval, J. Indriolo, N., de Rosa, G., , **Fox, A. J.** et al. 2018, COS ISR 2018-14  
*Exploratory Phase for Optimizing Lifetime Position 4 of the COS/FUV Detector*
- (2) Sonnentrucker, P., **Fox, A. J.**, Penton, S., et al. 2017, COS ISR 2017-16  
*FUV Focus Sweep Exploratory Program for COS at LP4*
- (1) Peebles, M. S., Tumlinson, J., **Fox, A. J.**, et al. 2017, COS ISR 2017-04  
*The Hubble Spectroscopic Legacy Archive*



## Publication Record as of July 2024

Searchable on ADS via ORCID 0000-0003-0724-4115

Number refereed publications: 99 (24 as first author)

Number of citations to refereed publications: 4559 (1363 to first-author papers)

Mean (median) citations per refereed paper: 46 (22)

h-index: 36

m-index: 1.6

i10-index: 72

i100-index: 11

Top cited paper: *The COS-Halos Survey: Physical Conditions and Baryonic Mass in the Low-redshift Circumgalactic Medium* by Jessica K. Werk et al. 2014, ApJ, 792, 8 (530 citations)

Top-cited first-author paper: *Multiphase High-Velocity Clouds toward HE 0226-4110 and PG 0953+414* by Andrew J. Fox et al. 2005, ApJ, 630, 332 (161 citations)