

Bibliography

- [1] Reynolds, C. S. & Nowak, M. A. Fluorescent Iron lines as a Probe of Astrophysical Black Hole Systems, *Physics Reports*, 377, 389-466, 2003
- [2] Kormendy, J. & Richstone, D. Inward Bound-the Search for Supermassive Black Holes in Galactic Nuclei, *ARA&A*, 33, 581-624, 1995.
- [3] Lynden-Bell, D. Galactic Nuclei As Collapsed Old Quasar, *Nature*, 223, 690-694, 1969.
- [4] Rees, M. Black Hole Models for Active Galactic Nuclei, *ARA&A*, 22, 471-506, 1984.
- [5] Fath, E. A. The spectra of some spiral nebulae and globular star clusters, *Lick Observatory bulletin*, 5, no. 149, 71-77, 1909.
- [6] <http://apod.nasa.gov/apod/ap130510.html>
- [7] Peterson, B. M. *An Introduction to Active Galactic Nuclei*, Cambridge University Press, Cambridge, 1997.
- [8] Schmidt, M. & Green, R. F. Quasar Evolution Derived from the Palomar Bright Quasar Survey and Other Complete Quasar Surveys. *ApJ*, 269, 352-374, 1983.
- [9] Seyfert, C. K. Nuclear Emission in Spiral Nebulae, *ApJ*, 97, 28-40, 1943.
- [10] Maiolino, R. & Rieke, G. H. Low -Luminosity and Obscured Seyfert Nuclei in Nearby Galaxies, *ApJ*, 454, 95-105, 1995.
- [11] Maia, M. A. G. & Machado, R. S. The Seyfert Population in the Local Universe, *AJ*, 126, 1750-1762, 2003.
- [12] Khachikian, E. Y. & Weedman, D. W. An Atlas of Seyfert Galaxies, *ApJ*, 192, 581-589, 1974.

- [13] <https://www.astro.virginia.edu/class/whittle/astr553/Topic15/t15-AGN-basics.html>
- [14] Osterbrock, D. E. Seyfert Galaxies with Weak Broad H α Emission Lines, *ApJ*, 249, 462-470, 1981.
- [15] Lawrence, A. Classifications of Active Galaxies and the Prospect of a Unified Phenomenology, *PASP*, 99, 309-334, 1987
- [16] Haniff, C. A. et al. High-Resolution Emission-Line Imaging of Seyfert Galaxies. I. Observations, *ApJ*, 334, 104-120, 1988.
- [17] Schmidt, M. 3C 273: A Star-Like Object with Large Red-Shift, *Nature*, 197, 1040, 1963.
- [18] Vermeulen, R. & Cohen, M. Superluminal Motion Statistics and Cosmology, *ApJ*, 430, 467-494, 1994.
- [19] Antonucci, R. Unified Models for Active Galactic Nuclei and Quasars, *ANR&A*, 31, 473-521, 1993.
- [20] Terrell, J. Luminosity Fluctuations and a Local Model of Quasi-Stellar Objects, *ApJ*, 147, 827-832, 1967.
- [21] Schneider, P. *Extragalactic Astronomy and Cosmology An Introduction*, Springer-Verlag GmbH, Heidelberg, 2006.
- [22] Hoyle, F. & W. A. Fowler, Nature of Strong Radio Sources , *Nature*, 197, 533-535, 1963.
- [23] Salpeter, E. E. Accretion of Interstellar Matter by Massive Objects, *ApJ*, 140, 796-800, 1964.
- [24] Shankar, F. et al. Supermassive Black Hole Demography: The Match Between the Local and Accreted Mass Functions, *MNRAS*, 354, 1020-1030, 2004.
- [25] Meier, D. L. Grand Unification of AGN and the Accretion and Spin Paradigms, *New Astronomy Review*, 46, 247-255, 2002.
- [26] Meier, D. L. Understanding X-ray Timing and Radio Observations Of Jet Sources, in X-RAY TIMING 2003: Rossie and Beyond, *AIP Conf. Proc.*, 714, 135-142, 2004.

- [27] Miller J. S. The Physics of Active Galaxies, *ASP Conf. Ser.*, Bicknell G. V., Dopita M. A., & Quinn P. J. (ed.), 54, 1994, 149.
- [28] Urry, C. M. & Padovani, P. Unified Schemes for Radio-Loud Active Galactic Nuclei, *PASP*, 107, 803-845, 1995.
- [29] Antonucci, R. R. J., & Miller, J. S. Spectropolarimetry and the Nature of NGC 1068, *ApJ*, 297, 621-632, 1985.
- [30] Tran, H. D. Hidden Broad-Line Seyfert 2 Galaxies in the CfA and 12 micron Samples, *ApJ*, 554, 19-23, 2001.
- [31] Zeldovich, Y. B., & Novikov, I. B. Relativistic Astrophysics, Part I, *Soviet Physics-Uspekhi*, 7, 763, 1965.
- [32] Blandford, R. D. Theoretical Models of Active Galactic Nuclei, *Active Galactic Nuclei*, Dyson, J.E. (ed.), Manchester University Press, Manchester, 1985, 281-299.
- [33] Shakura, N. I. & Sunyaev, R. A. Black Holes in Binary Systems. Observational Appearance. *A&A*, 24, 337-355, 1973.
- [34] Soltan, A. Masses of Quasars, *MNRAS*, 200, 115-122, 1982.
- [35] Krolik, J. H. *Active Galactic Nuclei: From the Central Black Hole to the Galactic Environment*, Princeton University Press, Princeton, 1999.
- [36] Koratkar, A. & Blaes, O. The Ultraviolet and Optical Continuum Emission in Active Galactic Nuclei: The Status of Accretion Disks, *PASP*, 111, 1-30, 1999
- [37] Rees, M. J. Infrared Radiation from Dust in Seyfert Galaxies, *Nature*, 223, 788-791, 1969.
- [38] Lebofsky, M. J., & Rieke, G. Variation in the Thermal Emission of Seyfert Galaxies, 1980, *Nature*, 284 (5277), 410-412, 1980.
- [39] Barvainis, R. Hot Dust and the Near-Infrared Bump in the Continuum Spectra of Quasars and Active Galactic Nuclei, *ApJ*, 320, 537-544, 1987.
- [40] Liang, E. P. T. On the Hard X-ray Emission Mechanism of Active Galactic Nuclei Sources, *ApJ*, 231, 111-114, 1979.

- [41] Torricelli-Ciamponi, G., et al., Non-thermal Emission from AGN Coronae *A&A*, 438 (1), 55-69, 2005.
- [42] Haardt, F. & Maraschi, L. A Two-Phase Model for the X-ray Emission from Seyfert Galaxies, *ApJL*, 380, 51-54, 1991.
- [43] Svensson, R. & Zdziarski, A. A. Black Hole Accretion Disks with Coronae *ApJ*, 436 (2), 599-606, 1994.
- [44] Kuijpers, J. Flares in Accretion Disks, *Coronal Magnetic Energy Releases, Lecture Notes in Physics*, 444, 135-158, 1995.
- [45] Arnaud, K. A. et al., EXOSAT Observations of a Strong Soft X-ray Excess in MKN 841, *MNRAS*, 217, 105-113, 1985.
- [46] George, I. M., & Fabian, A. C. X-ray Reflection from Cold Matter in Active Galactic Nuclei and X-ray Binaries, *MNRAS*, 249, 352-367, 1991.
- [47] http://www.isdc.unige.ch/ricci/Website/AGN_in_the_X-ray_band.html
- [48] Fabian, A. C. X-ray Reflections on AGN, <http://arxiv.org/abs/astro-ph/0511537v1>, 2005.
- [49] Kembhavi, A. K. & Narlikar, J. V., *Quasars and Active Galactic Nuclei : an Introduction*, Cambridge University Press, Cambridge, 1999.
- [50] Sako, M., et al. Complex Resonance Absorption Structure in the X-ray Spectrum of IRAS 13349+2438, *A&A*, 365, 168-173, 2001.
- [51] Netzer, H. The Iron Unresolved Transition Array in Active Galactic Nuclei, *ApJ* 604 (2), 551-555, 2004.
- [52] Mushotzky, R. F. et al. X-ray Spectra and Time Variability of Active Galactic Nuclei, *ARA&A*, 31, 717-761, 1993.
- [53] Nandra, K. & Pounds, K. A. GINGA Observations of the X-ray Spectra of Seyfert Galaxies, *MNRAS*, 268, 405-429, 1994.
- [54] Tanaka, Y. et al. Gravitationally Redshifted Emission Implying an Accretion Disk and Massive Black-Hole in the Active Galaxy MCG-6-30-15, *Nature*, 375, 659-661, 1995.

-
- [55] Yaqoob, T. et al. The Iron K α Line Profile in NGC 4151, *ApJL*, 453, 81-85, 1995.
- [56] Iwasawa, K. et al. The Broad Iron K Emission Line in the Seyfert 2 Galaxy IRAS 18325-5926, *MNRAS*, 279, 837-846, 1996.
- [57] Fabian, A. C. et al. X-ray Fluorescence from the Inner Disc in Cygnus X-1, *MNRAS*, 238, 729-736, 1989.
- [58] Laor, A. Line Profiles from a Disk Around a Rotating Black Hole, *ApJ*, 376, 90-94, 1991.
- [59] Wilms, J. et al. XMM-EPIC Observation of MCG-6-30-15: Direct Evidence for the Extraction of Energy from a Spinning Black Hole?, *MNRAS*, 328 (3), 27-31, 2001.
- [60] Fabian, A. C. et al. A Long Hard Look at MCG-6-30-15 with XMM-Newton, *MNRAS*, 335 (1), 1-5, 2002.
- [61] Patrick, A. R. et al. Iron Line Profiles in Suzaku Spectra of Bare Seyfert Galaxies, *MNRAS*, 411 (4), 2353-2370, 2011.
- [62] Pounds, K. A. et al. X-ray Reflection from Cold Matter in the Nuclei of Active Galaxies, *Nature*, 344, 132-133, 1990.
- [63] Matsuoka, M. et al. X-ray Spectral Variability and Complex Absorption in the Seyfert 1 Galaxies NGC4051 and MCG-6-30-15, *ApJ*, 361, 440-458, 1990.
- [64] Guilbert, P. W. & Rees, M. J. 'Cold' Material in Non-thermal Sources, *MNRAS*, 233, 475-484, 1988.
- [65] Zdziarski, A. A. et al. Electron-Positron Pairs, Compton Reflection, and the X-ray Spectra of Active Galactic Nuclei, *ApJL*, 363, 1-4, 1990.
- [66] von Montigny, C., et al., High-Energy Gamma-Ray Emission from Active Galaxies: EGRET Observations and Their Implications, *ApJ*, 440, 525-553, 1995.
- [67] Elvis, M., et al. Seyfert Galaxies as X-ray Sources, *MNRAS*, 183, 129-157, 1978.
- [68] McHardy, I. M., Volume 1: X Ray Binaries. Volume 2: AGN and the X Ray Background, in *Two Topics in X-ray Astronomy* Hunt, J. & Battrick, B. (ed.), ESA Special Publication, Paris, 296, 1990, 1111-1124

- [69] Grandi, P. et al. X-ray Luminosity and Spectral Variability of Hard X-ray-Selected Active Galactic Nuclei, *ApJS*, 82 (1), 93-116, 1992.
- [70] Boller, T. et al. ROSAT Monitoring of Persistent Giant and Rapid Variability in the Narrow-Line Seyfert 1 Galaxy IRAS 13224-3809, *MNRAS*, 289, 393-405, 1993.
- [71] Papadakis, I. E. et al. Long-Term Spectral Variability of Seyfert Galaxies from Rossi X-ray Timing Explorer Color-Flux Diagrams, *ApJ*, 573, 92-104, 2002.
- [72] Pounds, K.A. et al. An XMM-Newton Observation of the Seyfert 1 Galaxy 1H 0419-577 in an Extreme Low State, *ApJ*, 605, 670-676, 2004.
- [73] Pounds, K.A. et al. Resolving the Large-Scale Spectral Variability of the Luminous Seyfert 1 Galaxy 1H 0419-577: Evidence for a New Emission Component and Absorption by Cold Dense Matter, *ApJ*, 616, 696-706, 2004.
- [74] Vaughan, S. & Fabian, A.C. A Long Hard Look at MCG-6-30-15 with XMM-Newton- II. Detailed EPIC Analysis and Modelling, *MNRAS*, 348, 1415-1438, 2004.
- [75] Miller, L. et al. The variable X-ray Spectrum of Markarian 766. I. Principal Components Analysis, *A&A* 463, 131-143, 2007.
- [76] Miller, L. et al. An Absorption Origin for the X-ray Spectral Variability of MCG-6-30-15. *A&A* 483, 437-452, 2008.
- [77] Turner, T.J. et al. Tracing a Disk Wind in NGC 3516. *A&A*, 483, 161-169, 2008.
- [78] Nandra, K. et al. ASCA Observations of Seyfert 1 Galaxies. I. Data Analysis, Imaging, and Timing, *ApJ*, 476 (1), 70-82, 1997.
- [79] Turner, T. J. et al. On X-ray Variability in Seyfert Galaxies, *ApJ*, 524, 667-673, 1999.
- [80] Markowitz, A., & Edelson, R. An RXTE Survey of Long-Term X-Ray Variability in Seyfert 1 Galaxies *ApJ*, 547 (2), 684-692, 2001.
- [81] Shields, G. A. Thermal Continuum from Accretion Disks in Quasars, *Nature*, 272, 706-708, 1978.
- [82] Malkan, M. A. & Sargent, W. L. W. The Ultraviolet Excess of Seyfert 1 Galaxies and Quasars, *ApJ*, 254, 22-37, 1982.

- [83] Brocksopp, C. et al. Multiwavelength XMM-Newton Observations of the Laor et al. Sample of PG Quasars, *MNRAS*, 366 (3), 953-968, 2006.
- [84] Vasudevan, R. V. & Fabian, A. C. Simultaneous X-ray/optical/UV Snapshots of Active Galactic Nuclei from XMM-Newton: Spectral Energy Distributions for the Reverberation Mapped Sample, *MNRAS*, 392 (3), 1124-1140, 2009.
- [85] Sunyaev, R. A. & Titarchuk, L. G. Comptonization of X-rays in the Plasma Clouds. Typical Radiation Spectra, *A&A*, 86, 121-138, 1980.
- [86] Grupe, D. et al. The Simultaneous Optical-to-X-ray Spectral Energy Distribution of Soft X-ray Selected Active Galactic Nuclei Observed by SWIFT, *ApJSS*, 187, 64-106, 2010.
- [87] Boller, T. et al. Soft X-ray Properties of Narrow-Line Seyfert 1 Galaxies, *A&A*, 305, 53-73, 1996.
- [88] Brandt, W. N. et al. A comparison of the Hard ASCA Spectral Slopes of Broad- and Narrow-Line Seyfert 1 Galaxies, *MNRAS*, 285, 25-30, 1997.
- [89] Wang, J. M. et al. The Hot Disk Corona and Magnetic Turbulence in Radio-quiet Active Galactic Nuclei: Observational Constraints, *ApJ*, 607, 107-110, 2004.
- [90] Porquet, D. et al. XMM-Newton EPIC Observations of 21 Low-Redshift PG Quasars, *A&A*, 422, 85-95, 2004.
- [91] Piconcelli, E. et al. The XMM-Newton View of PG Quasars. I. X-ray Continuum and Absorption, *A&A*, 432, 15-30, 2005.
- [92] Risaliti G. et al. The Sloan Digital Sky Survey/XMM-Newton Quasar Survey: Correlation Between X-Ray Spectral Slope and Eddington Ratio, *ApJL*, 700, 6-10, 2009.
- [93] Bianchi, S. et al. CAIXA: A Catalogue of AGN in the XMM-Newton Archive. II. Multiwavelength Correlations, *A&A*, 501, 915-924, 2009.
- [94] Shemmer, O. et al. The Hard X-Ray Spectrum as a Probe for Black Hole Growth in Radio-Quiet Active Galactic Nuclei, *ApJ*, 682, 81-93, 2008.
- [95] Sobolewska, M. A. & Papadakis, I. E. The Long-Term X-ray Spectral Variability of AGN, *MNRAS*, 399, 1597-1610, 2009.

- [96] Grupe, D. et al. X-ray Variability in a Complete Sample of Soft X-ray Selected AGN, *A&A*, 367, 470-486, 2001.
- [97] Haardt, F. et al. X-ray Variability and Correlations in the Two-Phase Disk-Corona Model for Seyfert Galaxies, *ApJ*, 476, 620-631, 1997.
- [98] Beloborodov, A. M. Accretion Disk Models, in High Energy Processes in Accreting Black Holes, *ASP Conf. Ser.*, Poutanen J., Svensson R. (ed.), ASP, San Francisco, 161, 1999, 295-315.
- [99] Coppi, P. S. The Physics of Hybrid Thermal/Non-Thermal Plasmas, in High Energy Processes in Accreting Black Holes, *ASP Conf. Ser.*, Poutanen J. & Svensson R. (ed.), ASP, San Francisco, 161, 1999, 375-404. 1999
- [100] Taylor, R. D. et al. The Nature of X-ray Spectral Variability in Seyfert Galaxies, *MNRAS*, 342, 31-35, 2003.
- [101] Ponti, G. et al. XMM-Newton Study of the Complex and Variable Spectrum of NGC 4051, *MNRAS*, 368 (2), 903-916, 2006.
- [102] Miniutti, G. et al. Suzaku Observations of the Hard X-Ray Variability of MCG -6-30-15: the Effects of Strong Gravity Around a Kerr Black Hole, *PASJ*, 59, 315-325, 2007.
- [103] Turner, T. J. & Miller, L. X-ray Absorption and Reflection in Active Galactic Nuclei, *Astron Astrophys Rev*, 17, 47-104, 2009.
- [104] Davis, L. Jr. & Greenstein J. L., The Polarization of Starlight by Aligned Dust Grains, *ApJ*, 114, 206-241, 1951.
- [105] Spitzer, L. Jr. *Physical Processes in the Interstellar Medium*, Wiley-& Sons, New-York, 1978.
- [106] Morton, D. C. et al. Spectrophotometric Results from the Copernicus Satellite. II. Composition of Interstellar Clouds, *ApJL*. 181, 103-109, 1973.
- [107] Rogerson, J. B. et al. Spectrophotometric Results from the Copernicus Satellite. III. Ionization and Composition of the Intercloud Medium, *ApJL*, 181, 110-115, 1973.

- [108] Jenkins, E. B., Element Abundances in the Interstellar Atomic material, *Interstellar Processes*, Hollenbach, D. J. & Thronson, H. A. Jr. (ed.), Reidel, Dordrecht, 1987, 533-559.
- [109] Van Steenberg, M. E. & J. M. Shull, Galactic Interstellar Abundance Surveys with IUE. III - Silicon, Manganese, Iron, Sulfur, and Zinc, *ApJ*, 330, 942-963, 1988.
- [110] Howk, J. C. & Savage, B. D. Dust in the Ionized Medium of the Galaxy: GHRS Measurements of AL III and S III, *ApJ*, 517, 746-766, 1999.
- [111] Savage, B. D. & Sembach, K.R. Interstellar Abundances from Absorption-Line Observations with the Hubble Space Telescope, *ARA&A*, 34, 279-330, 1996.
- [112] McKee, C. F. & Ostriker, J. P. A Theory of the Interstellar Medium - Three Components Regulated by Supernova Explosions in an Inhomogeneous Substrate, *ApJ*, 218, 148-169, 1977.
- [113] Efstathiou, G. A Model of Supernova Feedback in Galaxy Formation, *MNRAS*, 317, 697-719, 2000.
- [114] Monaco, P. Physical Regimes for Feedback in Galaxy Formation, *MNRAS*, 352, 181-204, 2004.
- [115] Krumholz, M. R. & McKee C. F., A General Theory of Turbulence-regulated Star Formation, from Spirals to Ultraluminous Infrared Galaxies, *ApJ*, 630, 250-268, 2005.
- [116] Adams, W. S. Some Results with the COUDÉ Spectrograph of the Mount Wilson Observatory, *ApJ*, 93, 11-27, 1941.
- [117] Gundermann, E. J. et al. Microwave Spectra of OH in the Direction of the Galactic center, *AJ* 70, 321-322, 1965.
- [118] Cheung, A. C. et al. Detection of NH₃ Molecules in the Interstellar Medium by Their Microwave Emission, *PRL*, 21, 1701-1705, 1968.
- [119] Barrett, A. H. Discovery of interstellar water vapour, *At. Mol. Phys.*, 1, 93-96, 1969.
- [120] Kuan, Y.-J. et al. Interstellar Glycine, *ApJ*, 593, 848-867, 2003.

- [121] Carruthers, G. Rocket Observation of Interstellar Molecular Hydrogen, *ApJL*, 161, 81-85, 1970.
- [122] <http://apod.nasa.gov/apod/ap130422.html>
- [123] Spitzer, L. Jr. & E. B. Jenkins Ultraviolet Studies of the Interstellar Gas, *ARA&A*, 13, 133-164, 1975.
- [124] Savage, B. D. et al. A Survey of Interstellar Molecular Hydrogen. I *ApJ*, 216, 291-307, 1977.
- [125] Scoville, N. Z. & Solomon, P. A. Molecular Clouds in the Galaxy, *ApJL*, 199, 105-109. 1975.
- [126] Burton, W. B. et al. The Overall Distribution of Carbon Monoxide in the Plane of the Galaxy, *ApJ*, 202, 30-49, 1975.
- [127] Dame, T. M. et al. A Composite CO Survey of the Entire Milky Way, *ApJ*, 322, 706-720, 1987.
- [128] Mallik, D. C. V. Temperature and Emission-Line Structure at the Edges of H II Regions, *ApJ*, 197, 355-364, 1975.
- [129] Osterbrock, D. E. *Astrophysics of Gaseous Nebulae and Active Galactic Nuclei*, University Science Books, Mill Valley, 1989.
- [130] Bodenheimer, P. et al. The Gas Dynamics of H II regions. II - Two-dimensional Axisymmetric Calculations, *ApJ*, 233, 85-96, 1979.
- [131] H.C. van de Hulst. Radiogolven uit het Wereldruim. *Ned. Tijdschr. Natuurk.*, 11:210-221, 1945.(English version: W.Sullivan, Reidel. *Classics in Radio Astronomy, Studies in the History of Modern Science* 10, 302, 1982.)
- [132] Ewen, H. I. & Purcell E. M. Observation of a Line in the Galactic Radio Spectrum: Radiation from Galactic Hydrogen at 1,420 Mc./sec. *Nature*, 168, 356, 1951.
- [133] Savage, B. D. & Jenkins, E. B. A Survey of Local Interstellar Hydrogen from OAO-2 Observations of Lyman Alpha Absorption, *ApJ*, 172, 491-522, 1972.
- [134] Jenkins, E. B. & Savage, B. D. Ultraviolet Photometry from the Orbiting Astronomical Observatory. XIV. An extension of the survey of Lyman-alpha absorption from interstellar hydrogen, *ApJ*, 187, 243-255, 1974.

- [135] Cox, D. P. & Reynolds, R. J. The Local Interstellar Medium, *ARA&A*, 25, 303-344, 1987.
- [136] Bowyer, C. S. et al. Detection of an Anisotropic Soft X-Ray Background Flux, *Nature*, 217, 32-34, 1968.
- [137] Jenkins, E. B. & Meloy, D. A. A Survey with Copernicus of Interstellar O VI Absorption, *ApJ*, 193, 121-125, 1974.
- [138] Inoue, H. et al. Evidence of O VII Emission Line in Diffuse Soft X-rays from the NH Minimum Region in Hercules, *ApJ* 227, 8-88, 1979.
- [139] Schnopper, H. W. et al. Carbon and Oxygen X-ray Line Emission from the Interstellar Medium, *ApJ*, 253, 131-135, 1982.
- [140] Sanders, W. T. et al. The Soft X-ray Background Spectrum from DXS, *Lecture Notes in Physics*, Breitschwerdt, D. et al. (ed.), Berlin Springer Verlag, 1998, 506, 83-90.
- [141] York, D. G. , Highly Ionized Atoms Observed with Copernicus, *ApJL*, 193, 127-131, 1974.
- [142] Hall, J. S. Observations of the Polarized Light from Stars, *Science*, 109, 166-167, 1949.
- [143] Hiltner, W. A. Polarization of Light from Distant Stars by Interstellar Medium, *Science*, 109, 165, 1949.
- [144] Hiltner, W. A. On the Presence of Polarization in the Continuous Radiation of Stars. II, *ApJ*, 109, 471-481, 1949.
- [145] Kiepenheuer, K. O. Cosmic Rays as the Source of General Galactic Radio Emission, *Physical Review*, 79, 738-739, 1950.
- [146] Bloemen, H. Diffuse Galactic Gamma-ray Emission *ARA&A*, 27, 469-516, 1989.
- [147] Blandford, R. D. & Eichler, D. Particle Acceleration at Astrophysical Shocks: A Theory of Cosmic Ray Origin, *Phys. Rep.*, 154, 1-75, 1987.
- [148] Goldsmith, D. W. et al. Thermal Properties of Interstellar Gas Heated by Cosmic Rays, *ApJ*, 158, 173-185, 1969.

- [149] Spitzer, L. Jr. On a Possible Interstellar Galactic Corona, *ApJ*, 124, 20-34, 1956.
- [150] Sutherland, R. S. & Dopita, M. A. Cooling Functions for Low-Density Astrophysical Plasmas, *ApJS*, 88, 253-327, 1993.
- [151] Savage, B. D. & de Boer, K. S. Observational Evidence for a Hot Gaseous Galactic Corona, *ApJ*, 230, 77-82, 1979.
- [152] Savage, B. D. & de Boer, K. S. Ultraviolet Absorption by Interstellar Gas at Large Distances from the Galactic Plane, *ApJ*, 243, 460-484, 1981.
- [153] Wakker, B. et al. Coronal C^{+3} in the Large Magellanic Cloud: Evidence for a Hot Halo, *ApJ*, 499, 87-91, 1998.
- [154] Savage, B. D. & Sembach, K. R. Observations of Highly Ionized Gas in the Galactic Halo. *ApJSS*, 83, 147-201, 1992.
- [155] Savage, B. D. et al., Absorption by Highly Ionized Interstellar Gas Along Extragalactic and Galactic Sight Lines, *AJ*, 113, 2158-2186, 1997
- [156] Sembach, K. R. & Savage B. D. Gas Kinematics and Ionization Along the Extended Sight Line to HD 116852, *ApJ*, 431 (1), 201-222, 1994.
- [157] Savage, B. D. et al. IUE Absorption-Line Observations of the Moderately and Highly Ionized Interstellar Medium toward 164 Early-Type Stars, *ApJS*, 136, 631-702, 2001.
- [158] Savage, B. D. et al. STIS and GHRS Observations of Warm and Hot Gas Overlying the Scutum Supershell (GS 018-04+44), *ApJ*, 547, 907-921, 2001.
- [159] Shapiro, P. R. & Field, G. B. Consequences of a New Hot Component of the Interstellar Medium, *ApJ*, 205, 762-765, 1976.
- [160] Shapiro, P. R. & Benjamin, R. A. New Results Concerning the Galactic Fountain, *PASP*, 103, 923-927, 1991.
- [161] Slavin, J. D. & Cox, D. P. Completing the Evolution of Supernova Remnants and Their Bubbles, *ApJ*, 392, 131-144, 1992.
- [162] Slavin, J. D. & Cox, D. P. Evolution of Supernova Remnant Bubbles in a Warm Diffuse Medium: Survey of Results from One-dimensional Models and Their Impact on Estimates of Interstellar Porosity, *ApJ*, 417, 187-195, 1993.

- [163] Shelton, R. L. Simulations of Supernova Remnants in Diffuse Media and Their Application to the Lower Halo of the Milky Way. I. The High-Stage Ions, *ApJ*, 504, 785-804, 1998.
- [164] Begelman, M. C. & Fabian, A. C. Turbulent Mixing Layers in the Interstellar and Intracluster Medium, *MNRAS*, 244, 26-29, 1990.
- [165] Borkowski, K. J. et al. Radiative Magnetized Thermal Conduction Fronts, *ApJ*, 355, 501-517, 1990.
- [166] Lumb, D. et al. The XMM-Newton Observatory—A year of Exciting Science, *ESA bulletin*, 104, 2000.
- [167] Barré, H. et al. An Overview of the XMM Observatory System, *ESA-Bulletin No. 100*, ESA Publications Division, Noordwijk, The Netherlands, 1999.
- [168] Jansen, F. A. XMM: Advancing Science with the High-Throughput X-Ray Spectroscopy Mission, *ESA-Bulletin No. 100*, ESA Publications Division, Noordwijk, Netherlands, 1999.
- [169] Jansen, F. et al. XMM-Newton observatory. I. The Spacecraft and Operation, *A&A*, 365, 1-6, 2001.
- [170] Turner, M. J. L. et al. The European Photon Imaging Camera on XMM-Newton: The MOS cameras : The MOS cameras, *A&A*, 365, 27-35, 2001.
- [171] Strüder, L. et al. The European Photon Imaging Camera on XMM-Newton: The pn-CCD camera, *A&A*, 365, 18-26, 2001.
- [172] den Herder, J. W. et al. The Reflection Grating Spectrometer on board XMM-Newton, *A&A*, 365, 7-17, 2001.
- [173] Mason, K. O. The XMM-Newton Optical/UV Monitor Telescope, *A&A*, 365, 36-44, 2001.
- [174] Fordham, J. L. A. Photon Counting Detectors for Space Instrumentation, *Proc. ESA Symp.*, ESA, 356, 1992, 103.
- [175] Ehle M. et al. (ed.), *XMM-Newton Users Handbook*, 2007. at http://xmm.esac.esa.int/external/xmm_user_support/documentation/index.shtml.

- [176] Hanisch, R. J. Definition of the Flexible Image Transport System (FITS), *A&AL*, 376, 359-380, 2001.
- [177] Users Guide to the XMM-Newton Science Analysis System, Issue 10.5, *ESA: XMM-Newton SOC*, 2014.
- [178] Moos, H. W. et al. Overview of the Far Ultraviolet Spectroscopic Explorer Mission, *ApJ*, 538, 1-6, 2000.
- [179] Sahnou, D. J. et al. On-Orbit Performance of the Far Ultraviolet Spectroscopic Explorer Satellite, *ApJ*, 538, 7-11, 2000.
- [180] Dixon, W. V. et al. CalFUSE Version 3: A Data Reduction Pipeline for the Far Ultraviolet Spectroscopic Explorer, *PASP*, 119, 527-555, 2007.
- [181] Haardt, F. & Maraschi, L. A Two-Phase Model for the X-ray Emission from Seyfert Galaxies, *ApJ*, 380, 51-54, 1991.
- [182] Haardt, F. & Maraschi, L. X-ray Spectra from Two-Phase Accretion Disks, *ApJ*, 413, 507-517, 1993.
- [183] Zdziarski, A. A. et al. Observations of Seyfert Galaxies by OSSE and Parameters of Their X-Ray/Gamma-Ray Sources, *ApJ*, 542, 703-709, 2000.
- [184] Nandra, K. & Pounds, K. A. GINGA Observations of the X-Ray Spectra of Seyfert Galaxies, *MNRAS*, 268, 405-429, 1994.
- [185] Page, K. L. et al. XMM-Newton Spectroscopy of High-Redshift Quasars, *MNRAS*, 364 (1), 195-207, 2005.
- [186] Perola, G. C. et al. New Results on the X-ray Emission and its Correlation with the Ultraviolet in NGC 4151, *ApJ*, 306, 508-521, 1986.
- [187] Singh, K. P. et al. Observations of X-ray Spectra of two Nearby QSO's - MRK 205 and MRK 1148, *A&A*, 248, 37-44, 1991.
- [188] Mushotzky, R. M. et al. X-ray Spectra and time Variability of Active Galactic Nuclei, *ARA&A*, 31, 717-761, 1993.
- [189] Done, C. et al. The Relativistic Iron Line Profile in the Seyfert 1 Galaxy IC 4329A, *ApJ*, 536, 213-224, 2000.

- [190] Nandra, K. & Papadakis, I. E. Temporal Characteristics of the X-Ray Emission of NGC 7469, *ApJ*, 554, 710-724, 2001.
- [191] Vaughan, S. & Edelson, R. Evidence for Rapid Iron K α Line Flux Variability in MCG -6-30-15, *ApJ*, 548, 694-702, 2001.
- [192] Dewangan, G. C. et al. A 10-day ASCA Observation of the Narrow-Line Seyfert 1 Galaxy IRAS 13224-3809, *A&A*, 390, 65-80, 2002.
- [193] Chiang, J. et al. Simultaneous EUVE/ASCA/RXTE Observations of NGC 5548, *ApJ*, 528, 292-305, 2000.
- [194] Zdziarski, A. A & Grandi, P. The Broadband Spectrum of 3C 120 Observed by BeppoSAX, *ApJ*, 551, 186-196, 2001.
- [195] Yaqoob, T. & Warwick, R. S. The X-ray Spectral Variability of NGC 4151, *MNRAS*, 248, 773-786, 1991.
- [196] Grupe, D. et al. A Remarkable Long-term Light Curve and Deep, Low-state Spectroscopy: Swift and XMM-Newton Monitoring of the NLS1 Galaxy Mkn 335, *APJS*, 2012, 199, 28-45, 2012.
- [197] Laor, A. et al. The Soft X-Ray Properties of a Complete Sample of Optically Selected Quasars. II. Final Results, *ApJ*, 477, 93-113, 1997.
- [198] Lu, Y. & Yu Q. Two Different Accretion Classes in Seyfert 1 Galaxies and QSOS, *ApJL*, 526, 5-8, 1999.
- [199] Wang, J. M. et al. The Hot Disk Corona and Magnetic Turbulence in Radio-quiet Active Galactic Nuclei: Observational Constraints, *ApJ*, 607, 107-110, 2004.
- [200] Shemmer, O. et al. The Hard X-Ray Spectral Slope as an Accretion Rate Indicator in Radio-quiet Active Galactic Nuclei, *ApJL*, 646, 29-32, 2006.
- [201] Porquet, D. et al. XMM-Newton EPIC Observations of 21 Low-Redshift PG Quasars, *A&A*, 422, 85-95, 2004.
- [202] Saez, C. et al. Confirmation of a Correlation Between the X-Ray Luminosity and Spectral Slope of Active Galactic Nuclei in the Chandra Deep Fields, *AJ*, 135, 1505-1522, 2008.

- [203] Sobolewska, M. A. & Papadakis, I. E. The Long-Term X-ray Spectral Variability of AGN, *MNRAS*, 399, 1597-1610, 2009.
- [204] Cao, X.-W. An Accretion Disc-Corona Model for X-ray Spectra of Active Galactic Nuclei, *MNRAS*, 394, 207-213, 2009.
- [205] Zhou, Xin-Lin & Zhao, Yong-Heng. Hard X-ray Photon Index as an Indicator of Bolometric Correction in Active Galactic Nuclei, *ApJ*, 720, 206-210, 2010.
- [206] Liu, J. Y. et al. The Structure and Spectral Features of a Thin Disk and Evaporation-fed Corona in High-luminosity Active Galactic Nuclei, *ApJ*, 754, 81-93, 2012.
- [207] Brightman, M. et al. A Statistical Relation Between the X-ray Spectral Index and Eddington ratio of Active Galactic Nuclei in Deep Surveys, *MNRAS*, 433, 2485-2496, 2013.
- [208] Gu, M. & Cao, X. The Anticorrelation Between the Hard X-ray Photon Index and the Eddington ratio in Low-Luminosity Active Galactic Nuclei, *MNRAS*, 399, 349-356, 2009.
- [209] Constantin, A. et al. Probing the Balance of AGN and Star-forming Activity in the Local Universe with ChaMP, *ApJ*, 705, 1336-1355, 2009.
- [210] Younes, G. et al. Study of LINER Sources with Broad H α Emission. X-ray Properties and Comparison to Luminous AGN and X-ray Binaries, *A&A*, 530, 149-170, 2011.
- [211] Xu, Ya-Di Thermal X-ray Iron Line Emission from the Advection-dominated Accretion Flow in the Galactic Binary GX 339-4, *ApJ*, 729, 10-16, 2011.
- [212] Risaliti, G. et al., The Sloan Digital Sky Survey/XMM-Newton Quasar Survey: Correlation Between X-Ray Spectral Slope and Eddington Ratio, *ApJL*, 700, 6-10, 2009.
- [213] Jin, C. et al. A Combined Optical and X-ray Study of Unobscured Type 1 Active Galactic Nuclei - III. Broad-Band SED Properties, *MNRAS*, 425, 907-929, 2012.
- [214] Brandt, W. N. et al., A Comparison of the Hard ASCA Spectral Slopes of Broad- and Narrow-Line Seyfert 1 Galaxies, *MNRAS*, 285, 25-30, 1997.

- [215] Boller, T. et al. Soft X-ray Properties of Narrow-Line Seyfert 1 Galaxies, *A&A*, 305, 53-73, 1996.
- [216] Osterbrock, D.E. & Pogge, R.W. The Spectra of Narrow-line Seyfert 1 Galaxies, *ApJ*, 297, 166-176, 1985.
- [217] Goodrich, R. W. Spectropolarimetry of 'Narrow-Line' Seyfert 1 Galaxies, *ApJ*, 342, 224-24, 1989.
- [218] Véron-Cetty, M.-P. et al. A Spectrophotometric Atlas of Narrow-Line Seyfert 1 Galaxies, *A&A*, 372, 730-754, 2001.
- [219] Boller, T. et al. ROSAT Monitoring of Persistent Giant and Rapid Variability in the Narrow-Line Seyfert 1 Galaxy IRAS 13224-3809, *MNRAS*, 289, 393-405, 1997.
- [220] Leighly, K.M. A Comprehensive Spectral and Variability Study of Narrow-Line Seyfert 1 Galaxies Observed by ASCA. II. Spectral Analysis and Correlations, *ApJS*, 125, 317-348, 1999.
- [221] Gallo, L. C. et al. The X-ray Variability of the Narrow-Line Type 1 Seyfert Galaxy IRAS 13224-3809 from an XMM-Newton observation, *MNRAS*, 347, 269-276, 2004.
- [222] Reynolds, C. S. An X-ray Spectral Study of 24 Type 1 Active Galactic Nuclei, *MNRAS*, 286, 513-537, 1997.
- [223] George, I.M. et al., ASCA Observations of Seyfert 1 Galaxies. III. The Evidence for Absorption and Emission Due to Photoionized Gas, *ApJS*, 114, 73-120, 1998.
- [224] Reeves, J. & Turner, M. J. L. X-ray Spectra of a Large Sample of Quasars with ASCA, *MNRAS*, 316, 234-248, 2000.
- [225] Moran, E. C. et al. Classification of IRAS-selected X-Ray Galaxies in the ROSAT All-Sky Survey, *ApJS*, 106, 341-397, 1996.
- [226] Ulvestad, J. S. et al. Radio Properties of Narrow-Lined Seyfert 1 Galaxies, *AJ*, 109, 81-86, 1995.
- [227] Boroson, T. A. & Green, R. F. The Emission-Line Properties of Low-Redshift Quasi-stellar Objects, *ApJS*, 80, 109-135, 1992.

- [228] Shemmer, O. & Netzer, H. Is There a Metallicity-Luminosity Relationship in Active Galactic Nuclei? The Case of Narrow-Line Seyfert 1 Galaxies , *ApJ*, 567, 19-22, 2002.
- [229] Mathur, S. Narrow-line Seyfert 1 Galaxies and the Evolution of Galaxies and Active Galaxies, *MNRAS*, 314, 17-20, 2000.
- [230] Komossa, S. Narrow-line Seyfert 1 Galaxies, in The Nuclear Region, Host Galaxy and Environment of Active Galaxies. *Serie de Conferencias*, Erika Benítez (ed.), 32, 86-92, 2008.
- [231] Komossa, S. Xu D. Narrow-Line Seyfert 1 Galaxies and the M_{BH} -sigma Relation, *ApJ*, 667, 33-36, 2007.
- [232] Barth, A. J. et al. Dwarf Seyfert 1 Nuclei and the Low-Mass End of the M_{BH} -sigma Relation, *ApJ*, 619, 151-154, 2005.
- [233] Botte, V. et al. Exploring Narrow-Line Seyfert 1 Galaxies Through the Physical Properties of Their Hosts, *AJ*, 127 (6), 3168-3179, 2004.
- [234] Boroson, T. Black Hole Mass and Eddington Ratio as Drivers for the Observable Properties of Radio-loud and Radio-quiet QSOs, *ApJ*, 565 (1), 78-85, 2002.
- [235] Xu, D. W. et al. An Active Galactic Nucleus Sample with High X-Ray-to-Optical Flux Ratio from RASS. II. Optical Emission Line Properties of Seyfert 1-Type Active Galactic Nuclei, *ApJ*, 590 (1), 73-85, 2003.
- [236] Grupe, D. 2004, A Complete Sample of Soft X-Ray-selected AGNs. II. Statistical Analysis, *AJ*, 127 (4), 1799-1810, 2004.
- [237] Warner, C. et al. Active Galactic Nucleus Emission-Line Properties Versus the Eddington Ratio, *ApJ*, 608 (1), 136-148, 2004.
- [238] Collin, S. et al. Systematic Effects in Measurement of Black Hole Masses by Emission-Line Reverberation of Active Galactic Nuclei: Eddington ratio and Inclination, *A&A*, 456 (1), 75-90, 2006.
- [239] Williams, R. J. et al. Narrow-line Seyfert 1 Galaxies from the Sloan Digital Sky Survey Early Data Release, *AJ*, 124 (6), 3042-3049, 2002.

- [240] Williams, R. J. et al. Chandra Observations of X-Ray-weak Narrow-Line Seyfert 1 Galaxies, *ApJ*, 610 (2), 737-744, 2004.
- [241] Longinotti, A. L. et al. Evidence for Relativistic Features in the X-ray Spectrum of Mrk 335, *MNRAS*, 374 (1), 237-247, 2007.
- [242] Peterson, B.M. et al. Central Masses and Broad-Line Region Sizes of Active Galactic Nuclei. II. A Homogeneous Analysis of a Large Reverberation-Mapping Database, *ApJ*, 613 (2), 682-699, 2004.
- [243] Grier, C. J. et al. A Reverberation Lag for the High-ionization Component of the Broad-line Region in the Narrow-line Seyfert 1 Mrk 335, *ApJ*, 744 (1), 4-9, 2012.
- [244] Tananbaum, H. et al. UHURU Observations of X-ray Emission From Seyfert Galaxies, *ApJ*, 223, 74-81, 1978.
- [245] Halpern, J. P. X-ray Spectra of Active Galactic Nuclei, *Ph.D. thesis*, Harvard University, 1982.
- [246] Pounds, K. A. et al. Discovery of a Strong Soft X-ray Excess in Mkn 335—Evidence for an Accretion Disc?, 1988, *MNRAS*, 224, 443–452
- [247] Turner, T. J. et al. BBXRT and GINGA Observations of the Seyfert 1 Galaxy Markarian 335, *ApJ*, 407, 556-563, 1993.
- [248] Nandra, K. et al. ASCA Observations of Seyfert 1 Galaxies. II. Relativistic Iron $K\alpha$ Emission, *ApJ*, 477, 602-622, 1997.
- [249] Ballantyne, D. R. et al. Evidence for Ionized Accretion Discs in Five Narrow-Line Seyfert 1 Galaxies, *MNRAS*, 323, 506-516, 2001.
- [250] Grupe, D. et al. X-ray Variability in A Complete Sample of Soft X-ray Selected AGN2001, *A&A*, 367, 470-486, 2001.
- [251] Bianchi, S. et al. BeppoSAX Observations of Mrk 841 and Mrk 335, *A&A*, 376, 77-84, 2001
- [252] Gondoin, P. et al. XMM-Newton Observations of the Seyfert 1 Galaxy Mrk 335, *A&A*, 388, 74-87, 2002.
- [253] O’Neill, P. M. et al. On the Relativistic Iron Line and Soft Excess in the Seyfert 1 Galaxy Markarian 335, *MNRAS*, 381 (1), 94-98, 2007.

- [254] Larsson, J. et al. Suzaku Observations of Markarian 335: Evidence for a Distributed Reflector, *MNRAS*, 384, 1316–1326, 2008
- [255] Grupe, D. et al. XMM-Newton Observations of the Narrow-Line Seyfert 1 Galaxy Mrk 335 in a Historical Low X-Ray Flux State, *ApJ*, 681 (2), 982-997, 2008.
- [256] Grupe, D. et al. Discovery of the Narrow-Line Seyfert 1 Galaxy Markarian 335 in A Historical Low X-ray Flux State, *ApJ*, 668, 111-114, 2007.
- [257] Gallo, L.C. et al. A Blurred Reflection Interpretation for the Intermediate Flux State in Mrk 335, *MNRAS*, 428 (2), 1191-1200, 2013.
- [258] Parker, M. L. et al. The NuSTAR Spectrum of Mrk 335: Extreme Relativistic Effects Within 2 Gravitational Radii of the Event Horizon?, *MNRAS*, 443 (2), 1723-1732, 2014.
- [259] Wilkins, D. R. & Gallo, L. C. Driving Extreme Variability: The Evolving Corona and Evidence for Jet Launching in Markarian 335, *MNRAS*, 449, 129-146, 2015
- [260] Dunn, J. P. et al. An Internet Database of Ultraviolet Continuum Light Curves for Seyfert Galaxies, *PASP*, 118 (842), 572-579, 2006.
- [261] Edelson, R. A. et al. Broad-band Properties of the CfA Seyfert Galaxies. III - Ultraviolet Variability, *ApJ*, 359, 86-97, 1990.
- [262] Doroshenko, V. T. et al. Optical Continuum Properties of the NLS1 Galaxy Mrk 335 in 1995-2004, *A&A*, 437 (1), 87-93, 2005.
- [263] Edelson, R. A. & Malkan, M. A. Spectral Energy Distributions of Active Galactic Nuclei Between 0.1 and 100 Microns, *ApJ*, 308, 59-77, 1986.
- [264] Sun, W. H., & Malkan, M. A. Fitting Improved Accretion Disk Models to the Multiwavelength Continua of Quasars and Active Galactic Nuclei, *ApJ*, 346, 68-100, 1989.
- [265] Zheng, W. et al. Astro-1 and Ground-based Observations of Markarian 335: Evidence for an Accretion Disk, *ApJ*, 444 (2), 632-642, 1995.
- [266] Longinotti, A. L. et al. The Rise of an Ionized Wind in the Narrow Line Seyfert 1 Galaxy Mrk 335 Observed by XMM–Newton and HST, *ApJ*, 766 (2), 104-118, 2013.

- [267] Huchra, J. P. et al. The CFA Redshift Survey: Data for the South Galactic CAP, *ApJS*, 121 (2), 287-368, 1999.
- [268] Leighly, K. M. A Comprehensive Spectral and Variability Study of Narrow-Line Seyfert 1 Galaxies Observed by ASCA. I. Observations and Time Series Analysis, *ApJS*, 125 (2), 297-316, 1999.
- [269] Vignali, C. et al. Arakelian 564: An XMM-Newton view, *MNRAS*, 347 (3), 854-860, 2004.
- [270] Matsumoto, C. et al. A Chandra HETGS Observation of the Narrow-Line Seyfert 1 Galaxy Arakelian 564, *ApJ*, 603 (2), 456-462, 2004.
- [271] Brandt, W. N. et al. ROSAT PSPC Observations of Ark 564, NGC 985, Kaz 163, Mrk 79 and RX J2256.6+0525, *MNRAS*, 271, 958-967, 1994.
- [272] Turner, T. J. et al. Arakelian 564: An Unusual Component in the X-Ray Spectra of Narrow-Line Seyfert 1 Galaxies, *ApJ*, 526 (1), 52-59, 1999.
- [273] Comastri, A. et al. BeppoSAX Observations of Narrow-Line Seyfert 1 Galaxies. II. Ionized Iron Features in Arakelian 564, *A&A*, 365, 400
- [274] Vaughan, S. X-ray Spectral Complexity in Narrow-Line Seyfert 1 Galaxies, *MNRAS*, 309, 113-124, 1999.
- [275] Papadakis, I. E. XMM-Newton Observation of the NLS1 Galaxy Ark 564. I. Spectral Analysis of the Time-Average Spectrum, *A&A*, 461 (3), 931-942, 2007.
- [276] Dewangan, G. C. et al. An Investigation of the Origin of Soft X-Ray Excess Emission from Ark 564 and Mrk 1044, *ApJ*, 671 (2), 1284-1296, 2007.
- [277] Smith, R. A. N. et al. Exploring the Nuclear Environment of the NLS1 Galaxy Arakelian 564 with XMM-Newton RGS, *A&A*, 490 (1), 103-112, 2008.
- [278] Legg, E. et al. Direct Measurement of the X-Ray Time-delay Transfer Function in Active Galactic Nuclei, *ApJ*, 760 (1), 73-85, 2013.
- [279] Gupta, A. & Mathur, S. A Two-Phase Low-velocity Outflow in the Seyfert 1 Galaxy Ark 564, *ApJ* 768, 141-152, 2013.

- [280] Shemmer, O. et al. Multiwavelength Monitoring of the Narrow-Line Seyfert 1 Galaxy Arakelian 564. III. Optical Observations and the Optical-UV-X-Ray Connection, *ApJ*, 561 (1), 162-170, 2001.
- [281] Romano, P. et al. The Spectral Energy Distribution and Emission-Line Properties of the Narrow-Line Seyfert 1 Galaxy Arakelian 564, *ApJ*, 602 (2), 635-647, 2004.
- [282] Turner, T. J. et al. Multiwavelength Monitoring of the Narrow-Line Seyfert 1 Galaxy Arakelian 564. I. ASCA Observations and the Variability of the X-Ray Spectral Components, *ApJ*, 561 (1), 131-145, 2001.
- [283] Edelson, R. et al. X-Ray Spectral Variability and Rapid Variability of the Soft X-Ray Spectrum Seyfert 1 Galaxies Arakelian 564 and Ton S180, *ApJ*, 568 (2), 610-626, 2002.
- [284] Papadakis, I. E. et al. Detection of a High Frequency Break in the X-ray Power Spectrum of Ark 564, *A&A*, 382, 1-4, 2002.
- [285] Pounds, K. et al. X-Ray Power Density Spectrum of the Narrow-Line Seyfert 1 Galaxy Arakelian 564, *ApJ*, 550 (1), 15-18, 2001.
- [286] Crenshaw, D. M. et al. Reddening, Emission-Line, and Intrinsic Absorption Properties in the Narrow-Line Seyfert 1 Galaxy Arakelian 564, *ApJ*, 566 (1), 187-194, 2002.
- [287] Romano, P. et al. Far-Ultraviolet Spectroscopic Explorer Observations of the Narrow-Line Seyfert 1 Galaxy Arakelian 564, *ApJ*, 578, 64-73, 2002.
- [288] Collier, S. et al. Multiwavelength Monitoring of the Narrow-Line Seyfert 1 Galaxy Arakelian 564. II. Ultraviolet Continuum and Emission-Line Variability, *ApJ*, 561 (1), 146-161, 2001.
- [289] Arnaud, K. XSPEC: The First Ten Years, Astronomical Data Analysis Software and Systems, *ASP. Conf. Ser.*, Jacoby G. H. & Barnes J. (ed.), 101, 17-21, 1996.
- [290] Kalberla, P.M.W. et al. The Leiden/Argentine/Bonn (LAB) Survey of Galactic HI. Final data release of the combined LDS and IAR surveys with improved stray-radiation corrections, *A&A*, 440 (2), 775-782, 2005.

- [291] Zdziarski, A. A. et al. Broad-band Gamma-ray and X-ray Spectra of NGC 4151 and Their Implications For Physical Processes and Geometry, *MNRAS*, 283 (1), 193-206, 1996.
- [292] Zycki, P. T. et al. The 1989 May Outburst of the Soft X-ray Transient GS 2023+338 (V404 Cyg), *MNRAS*, 309 (3), 561-575, 1999.
- [293] Steiner, J. F. et al. A Simple Comptonization Model, *PASP*, 121, 1279-1305, 2009.
- [294] Fabian, A.C. et al. X-ray Fluorescence From the Inner Disc in Cygnus X-1, *MNRAS*, 238, 729-736, 1989.
- [295] Miller, L. et al. The variable X-ray Spectrum of Markarian 766. I. Principal Components Analysis, *A&A*, 463 (1), 131-143, 2007.
- [296] Ross, R. R. & Fabian A. C. A Comprehensive Range of X-ray Ionized-Reflection Models, *MNRAS*, 358 (1), 211-216, 2005.
- [297] Grupe, D. et al. XMM-Newton Observations of the Narrow-Line Seyfert 1 Galaxy Mrk 335 in a Historical Low X-Ray Flux State, *ApJ*, 681 (2), 982-997, 2008.
- [298] Indebetouw, R. & Shull, J. M. On VI, N V, and C IV in the Galactic Halo. I. Velocity-Dependent Ionization Models, *AJ*, 605 (1), 205-215, 2004.
- [299] Cox, D. P. The Three-Phase Interstellar Medium Revisited, *ARA&A*, 43 (1), 337-385, 2005.
- [300] Wakker, B. P. et al. Characterizing Transition Temperature Gas in the Galactic Corona, *ApJ*, 749 (2), 157-205, 2012.
- [301] Jenkins, E. B., Coronal Gas in the Galaxy. I. A New Survey of Interstellar O VI, *ApJ*, 219, 845-860, 1978a.
- [302] Jenkins, E. B. Coronal Gas in the Galaxy. II - A Statistical Analysis of O VI Absorptions, *ApJ*, 220, 107-123, 1978b.
- [303] Dixon, W. Van D. et al. Limits on Far-ultraviolet Emission from Warm Gas in Clusters of Galaxies with the Hopkins Ultraviolet Telescope, *ApJL*, 469, 77-80, 1996.
- [304] Moos, H.W. et al. Overview of the Far Ultraviolet Spectroscopic Explorer Mission, *ApJ*, 538 (1), 1-6, 2000.

- [305] Sahnou, D.J. et al. On-Orbit Performance of the Far Ultraviolet Spectroscopic Explorer Satellite, *ApJ*, 538 (1), 7-11, 2000.
- [306] Howk, J. C. et al. Far-Ultraviolet Spectroscopic Explorer Observations of Degree-Scale Variations in Galactic Halo O VI, *ApJ*, 572 (1), 264-275, 2002a.
- [307] Savage, B. D. et al. Far Ultraviolet Spectroscopic Explorer Observations of O VI Absorption in the Galactic Halo, *ApJ*, 538 (1), 27-30, 2000.
- [308] Wakker, B. P. et al. The Far Ultraviolet Spectroscopic Explorer Survey of O VI Absorption in and Near the Galaxy, *ApJS*, 146 (1), 1-123, 2003.
- [309] Oegerle, W. R. et al. A Survey of O VI Absorption in the Local Interstellar Medium, *ApJ*, 622 (1), 377-389, 2005.
- [310] Savage, B. D. & Lehner, N. Properties of O VI Absorption in the Local Interstellar Medium, *ApJS*, 162 (1), 134-160, 2006.
- [311] Welsh, B. Y. & Lallement, R. OVI in the Local Interstellar Medium: FUSE Observations Towards B-stars Within 200 pc, *A&A*, 490 (2), 707-714, 2008.
- [312] Pathak, A. et al. Survey of O VI Absorption in the Large Magellanic Cloud, *MNRAS*, 412 (2), 1105-1122, 2011.
- [313] Shelton, R. L. et al. Observations of O VI Emission from the Diffuse Interstellar Medium, *ApJ*, 560 (2), 730-741, 2001.
- [314] Dixon, W. V. D. & Sankrit, R. Recent FUSE Observations of Diffuse O VI Emission from the Interstellar Medium, *ApJ*, 647, 328
- [315] Dixon, W. V. D. & Sankrit R. Recent FUSE Observations of Diffuse O VI Emission from the Interstellar Medium, *ApJ*, 686 (2), 1162-1173, 2008.
- [316] Sankrit, R. & Dixon, W. V. D., O VI Emission from Superbubbles in the Large Magellanic Cloud, *PASP*, 119 (853), 284-291, 2007.
- [317] Tepper-García, T. et al. Absorption Signatures of Warm-hot Gas at low Redshift: O VI, *MNRAS*, 413 (1), 190-212, 2011.
- [318] York, D.G. Highly Ionized Atoms Observed with Copernicus, *ApJ*, 193, 127-131, 1974.

- [319] Bowen, D. V. et al. The Far Ultraviolet Spectroscopic Explorer Survey of O VI in the Milky Way, *AJSS*, 176, 59-163, 2008.
- [320] Howk, J. C. et al. The Global Content, Distribution, and Kinematics of Interstellar O VI in the Large Magellanic Cloud, *ApJ*, 569 (1), 214-232, 2002b.
- [321] Friedman, S. D. et al., Far Ultraviolet Spectroscopic Explorer Observations of Interstellar Gas toward the Large Magellanic Cloud Star SK 67°05, *ApJ*, 538, 39-42, 2000.
- [322] Danforth, C. W. & Blair, W. P., Possible Detection of O VI from the Large Magellanic Cloud Superbubble N70, *ApJ*, 646 (1), 205-212, 2006.
- [323] Lehner, N. & Howk, J. C. Highly Ionized Plasma in the Large Magellanic Cloud: Evidence for Outflows and a Possible Galactic Wind, *MNRAS*, 377 (2), 687-304, 2007.
- [324] Danforth, C. W. et al. An Atlas of Far Ultraviolet Spectroscopic Explorer Sight Lines toward the Magellanic Clouds, *ApJS*, 139 (1), 81-189, 2002.
- [325] Blair, W. P. et al. The Far Ultraviolet Spectroscopic Explorer Legacy in the Magellanic Clouds: An Online Stellar Sight Line Atlas, *PASP*, 121 (880), 634-654, 2009.
- [326] Walborn, N. R. Spectral classification of O and B0 supergiants in the Magellanic Clouds, *ApJ*, 215 , 53-61, 1977.
- [327] Conti, P. S. et al. Studies of Massive Stars in the Magellanic Clouds. I - New Spectral Classifications of OB types in the LMC, *ApJ*, 92, 48-59, 1986.
- [328] Massey, P. A *UBVR* CCD Survey of the Magellanic Clouds, 2002, *ApJS.*, 141 (1), 81-122, 2002.
- [329] Smith, L. F. et al. A Three-dimensional Classification for WN stars, *MNRAS*, 281 (1), 163-191, 1996.
- [330] Walborn, N. R. et al. The Physics of Massive OB Stars in Different Parent Galaxies. 1: Ultraviolet and Optical Spectral Morphology in the Magellanic Clouds, *PASP*, 107, 104-119, 1995.
- [331] Garmany, C. D. & Walborn N. R. New O3 Giants in the Large Magellanic Cloud, *PASP*, 99, 240-244, 1987.

- [332] Rousseau, J. et al. Studies of the Large Magellanic Cloud Stellar Content: III. Spectral Types and V Magnitudes of 1822 Members. *A&AS*, 31, 243-260, 1978.
- [333] Moffat, A. F. J. et al. Wolf-Rayet stars in the Magellanic Clouds. VI - Spectroscopic Orbits of WC binaries and Implications for W-R Evolution, *ApJ*, 348 (1), 232-241, 1990.
- [334] Smith, L. F. et al. Distances of Galactic WC Stars from Emission-line Fluxes and A Quantification of the WC Classification, *ApJ*, 358, 229-239, 1990.
- [335] Walborn, N. R. et al. Far Ultraviolet Spectroscopic Explorer Atlas of OB Stars in the Magellanic Clouds, *ApJS*, 141 (2), 443-468, 2002a.
- [336] Fitzpatrick, E. L. The Properties of OB Supergiants in the Large Magellanic Cloud. II - Spectral types and Intrinsic Colors, *ApJ*, 335, 703-719, 1988.
- [337] Torres-Dodgen, A. V. & Massey, P. Spectrophotometry of Wolf-Rayet stars - Intrinsic Colors and Absolute Magnitudes, *AJ*, 96, 1076-1094, 1988.
- [338] Walborn, N. R. et al. A new spectral classification for the earliest O stars : definition of type O2, *AJ*, 123, 2754-2771, 2002b
- [339] Walborn, N. R. & Blades J. C. Spectral Classification of the 30 Doradus Stellar Populations, *ApJS*, 112 (2), 457-485, 1997.
- [340] Massey, P. & Hunter, D. A. Star Formation in R136: A Cluster of O3 Stars Revealed by Hubble Space Telescope Spectroscopy, *ApJ*, 493 (1), 180-194, 1998.
- [341] Massey, P. et al. Massive Stars in the Field and Associations of the Magellanic Clouds: The Upper Mass Limit, the Initial Mass Function, and a Critical Test of Main-Sequence Stellar Evolutionary Theory, *ApJ*, 438 (1), 188-217, 1995.
- [342] Sembach, K. R. & Savage, Blair D. Observations of Highly Ionized Gas in the Galactic halo, *ApJS*, 83, 147-201, 1992.
- [343] Savage B. D. et al., Distribution and Kinematics of O VI in the Galactic Halo, *ApJS*, 146 (1), 125-164, 2003.
- [344] Savage, Blair D. & Sembach K. R., The Analysis of Apparent Optical Depth Profiles for Interstellar Absorption Lines, *ApJ*, 379 , 245-259, 1991.

- [345] Yan Z. -C. et al. Energies and Oscillator Strengths for Lithiumlike Ions, *PRA*, 57, 1652-1661, 1998.
- [346] Zsargó, J. et al. Highly Ionized Gas in the Galactic Halo: A FUSE Survey of O VI Absorption toward 22 Halo Stars, *ApJ*, 586 (2), 1019-1049, 2003.
- [347] Savage, B. D. & Wakker, B. P. The Extension of the Transition Temperature Plasma into the Lower Galactic Halo, *ApJ*, 702 (2), 1472-1489, 2009.
- [348] Hoopes, C. G. et al. A Far Ultraviolet Spectroscopic Explorer Survey of Interstellar O VI Absorption in the Small Magellanic Cloud, *ApJ*, 569 (1), 233-244, 2002.
- [349] Lehner, N. et al. Fundamental Properties of the Highly Ionized Plasmas in the Milky Way, *ApJ*, 727, 46-74, 2011.
- [350] Heckman, T.M. et al. On the Physical Origin of O VI Absorption-Line Systems, *ApJ*, 577, 691-700, 2002.
- [351] Lehner, N. & Howk, J. C. Small-Scale Structure of O VI Interstellar Gas in the Direction of the Globular Cluster NGC 6752, *PASP*, 116 (824), 895-902, 2004.
- [352] Shelton, R. L. & Cox D. P., Hot Gas in the Interstellar Medium: A Reanalysis of O VI Absorption Data, 434 (2), 599-613, 1994.
- [353] Savage, B. D., et al. The Distribution of Interstellar AL III Away from the Galactic Plane, *ApJ*, 361, 107-115, 1990.
- [354] Kalberla, P.M.W. & Dedes, L. Global Properties of the H I Distribution in the Outer Milky Way. Planar and Extra-Planar Gas, *A&A*, 487 (3), 951-963, 2008.
