

**Bibliography from ADS file: sylwester-janusz.bib**  
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- Dudnik, O. V., Sylwester, J., Kowaliński, M., Podgórski, P., & Phillips, K. J. H., “Detection of the third innermost radiation belt on LEO CORONAS-Photon satellite around 2009 solar minimum”, 2022AdSpR...70.1441D ADS
- Dudnik, O., Sylwester, J., Kowalinski, M., et al., “Three-electron belt profile in the Earth quiet magnetosphere as recorded by STEP-F and SphinX onboard instruments”, 2022cosp...44.3323D ADS
- Dudnik, O., Sylwester, J., Kowalinski, M., et al., “From solar corona to radiation belts: an idea of joint experiment on one CubeSat”, 2022cosp...44.3233D ADS
- Kepa, A., Sylwester, J., Sylwester, B., & Siarkowski, M., “Differential evolution method for simultaneous determination of elemental abundances and DEM distribution based on X-ray spectra”, 2022cosp...44.2582K ADS
- Sylwester, B., Sylwester, J., Kepa, A., & Phillips, K., “On the Variability of Calcium Abundance during Flare Decays”, 2022cosp...44.2570S ADS
- Sylwester, J., Sylwester, B., Phillips, K. J. H., & Kepa, A., “New Solar Flare Calcium Abundances with No Surprises: Results from the Solar Maximum Mission Bent Crystal Spectrometer”, 2022ApJ...930...77S ADS
- Kepa, A., Sylwester, B., Siarkowski, M., & Sylwester, J., “On the Application of Differential Evolution to the Analysis of X-Ray Spectra”, 2022ApJ...927...19K ADS
- Battaglia, A. F., Saqri, J., Massa, P., et al., “STIX X-ray microflare observations during the Solar Orbiter commissioning phase”, 2021A&A...656A...4B ADS
- Caspi, A., Shih, A. Y., Panchapakesan, S., et al., “The CubeSat Imaging X-ray Spectrometer (CubIXSS)”, 2021AAS...23821609C ADS
- Kirichenko, A., Kuzin, S., Shestov, S., et al., “KORTES mission for solar activity monitoring onboard International Space Station”, 2021FrASS...8...66K ADS
- Siarkowski, M., Mrozek, T., Sylwester, J., Litwicka, M., & Dąbek, M., “The non-Fourier image reconstruction method for the STIX instrument”, 2020A&A...29...220S ADS
- Caspi, A., Shih, A. Y., Warren, H., et al., “The CubeSat Imaging X-ray Spectrometer (CubIXSS)”, 2020AGUFM SH0480007C ADS
- Krucker, S., Hurford, G. J., Grimm, O., et al., “The Spectrometer/Telescope for Imaging X-rays (STIX)”, 2020A&A...642A...15K ADS
- Sylwester, J., Sylwester, B., Phillips, K. J. H., Kepa, A., & Rapley, C. G., “A Unique Resource for Solar Flare Diagnostic Studies: The SMM Bent Crystal Spectrometer”, 2020ApJ...894...137S ADS
- Kepa, A., Sylwester, B., Sylwester, J., Mrozek, T., & Siarkowski, M., “A Multi-wavelength Analysis of the Long-duration Flare Observed on 15 April 2002”, 2020SoPh...295...22K ADS
- Kuzin, S. V., Kirichenko, A. S., Stęślicki, M., et al., “SOLPEX Complex for Studies of Solar Radiation in the Soft X-Ray Range”, 2020JTePh...64.1738K ADS
- Moore, C., Takeda, A., Sylwester, B., et al., “Solar Soft X-ray Variations from the 2008-2019 Solar Cycle inferred from CORONAS/SphinX, GOES/XRS, Hinode/XRT, MinXSS, NuSTAR, and RHESSI Instruments”, 2020AAS...23535901M ADS
- Sylwester, B., Sylwester, J., Siarkowski, M., et al., “Analysis of Quiescent Corona X-ray Spectra from SphinX During the 2009 Solar Minimum”, 2019SoPh...294...176S ADS
- Sylwester, J., Stęślicki, M., Bakała, J., et al., “The soft X-ray spectrometer polarimeter SolpeX”, 2019ExA...47...199S ADS
- Kepa, A., Sylwester, B., Sylwester, J., Gryciuk, M., & Siarkowski, M., “Analysis of the differential emission measure distributions for solar flares observed by RESIK”, 2018JASTP.179...545K ADS
- Phillips, K. J. H., Sylwester, J., Sylwester, B., et al., “Highly Ionized Calcium and Argon X-Ray Spectra from a Large Solar Flare”, 2018ApJ...863...10P ADS
- Sylwester, J., Kowalinski, M., Sylwester, B., et al., “Highly Ionized Ca X-Ray Spectra from Flares Seen with the Diogeness Spectrometer”, 2018cosp...42E3313S ADS
- Dudnik, O., Sylwester, J., Kowalinski, M., Siarkowski, M., & Lazarev, I., “Feasibility of a usage of small-sized p-terphenyl scintillators with oriented crystalline axes in space measurements of high energy charge radiation”, 2018cosp...42E.915D ADS
- Dudnik, O., Sylwester, J., & Podgorski, P., “Splitting of the outer radiation belt during substorms at solar activity minimum as seen by CORONAS-Photon satellite instruments”, 2018cosp...42E.914D ADS
- Caspi, A., Sylwester, J., Gburek, S., et al., “New solar diagnostics enabled by novel soft x-ray imaging spectroscopy, and future missions”, 2018cosp...42E.525C ADS
- Awasthi, A. K., Sylwester, J., Sylwester, B., Reale, F., & Liu, R., “Hydrodynamical 1D modelling of flaring loops during a B8.3 flare on July 04, 2009”, 2018cosp...42E.147A ADS
- Mrozek, T., Gburek, S., Siarkowski, M., et al., “Solar Microflares Observed by SphinX and RHESSI”, 2018SoPh...293...101M ADS
- Caspi, A., Shih, A. Y., Warren, H., et al., “A Novel Soft X-ray Slitless Imaging Spectrograph for Unique Diagnostics of Hot Coronal Plasma”, 2018tess.conf41006C ADS
- Dudík, J., Dzifčáková, E., Meyer-Vernet, N., et al., “Nonequilibrium Processes in the Solar Corona, Transition Region, Flares, and Solar Wind (Invited Review)”, 2017SoPh...292...100D ADS
- Caspi, A., Shih, A. Y., Warren, H., et al., “The CubeSat Imaging X-ray Solar Spectrometer (CubIXSS) Mission Concept”, 2017SPD...4830503C ADS
- Gryciuk, M., Siarkowski, M., Sylwester, J., et al., “Flare Characteristics from X-ray Light Curves”, 2017SoPh...292...77G ADS
- Rapley, C. G., Sylwester, J., & Phillips, K. J. H., “New Results from the Solar Maximum Mission/Bent Crystal Spectrometer”, 2017SoPh...292...50R ADS
- Caspi, A., Shih, A. Y., Warren, H. P., Stęślicki, M., & Sylwester, J., “Diagnosing Coronal Heating Processes with Spectrally Resolved Soft X-ray Measurements”, 2017arXiv170100619C ADS
- Kuznetsov, V. D., Zelenyi, L. M., Zimovets, I. V., et al., “The Sun and heliosphere explorer - the Interhelioprobe mission”, 2016Ge&Ae...56...781K ADS
- Dudnik, O., Sylwester, J., Kowalinski, M., et al., “Design of the detector to observe the energetic charged particles: a part of the solar X-ray spectrophotometer ChemiX onboard Interhelioprobe mission”, 2016cosp...41E.506D ADS
- Dudnik, O., Sylwester, J., Kowalinski, M., & Podgorski, P., “L-shell bifurcation of electron outer belt at the recovery phase of geomagnetic storm as observed by STEP-F and SphinX instruments onboard the CORONAS-Photon satellite”, 2016cosp...41E.505D ADS
- Siarkowski, M., Sylwester, J., Bakała, J., et al., “ChemiX: a Bragg crystal spectrometer for the Interhelioprobe interplanetary mission”, 2016ExA...41...327S ADS
- Awasthi, A. K., Sylwester, B., Sylwester, J., & Jain, R., “Thermal Characteristics and the Differential Emission Measure Distribution During a B8.3 Flare on 2009 July 4”, 2016ApJ...823...126A ADS
- Stęślicki, M., Sylwester, J., Płocieniak, S., et al., “Soft X-ray polarimeter spectrometer SOLPEX”, 2016IAUS...320...450S ADS
- Sylwester, J., Siarkowski, M., Bakała, J., et al., “Solar X-rays from 0.3 a.u.: the ChemiX Bragg Spectrometer on Interhelioprobe”, 2016IAUS...320...442S ADS
- Awasthi, A. K., Sylwester, B., Sylwester, J., & Jain, R., “Thermal characteristics of a B8.3 flare observed on July 04, 2009”, 2016IAUS...320...112A ADS
- Stęślicki, M., Sylwester, J., Sylwester, B., et al., “Solar flare soft X-ray spectra from Diogeness observations”, 2016IAUS...320...109S ADS
- Gryciuk, M., Siarkowski, M., Gburek, S., et al., “Model of flare lightcurve profile observed in soft X-rays”, 2016IAUS...320...89G ADS
- Kepa, A., Sylwester, B., Sylwester, J., et al., “Multitemperature analysis of solar flare observed on 2003 March 29”, 2016IAUS...320...86K ADS
- Sylwester, B., Sylwester, J., Phillips, K. J. H., Kepa, A., & Mrozek, T., “High-temperature solar flare plasma behaviour from crystal spectrometer observations”, 2016IAUS...320...80S ADS
- Sylwester, J., Kordylewski, Z., Płocieniak, S., et al., “X-ray Flare Spectra from the DIOGENESS Spectrometer and Its Concept Applied to ChemiX on the Interhelioprobe Spacecraft”, 2015SoPh...290.3683S ADS
- Sylwester, J., Płocieniak, S., Bakała, J., et al., “SolpeX: the soft X-ray flare polarimeter-spectrometer for the ISS”, 2015IAUS...305...114S ADS
- Ścisłowski, D., Sylwester, J., Stęślicki, M., et al., “The Bragg solar x-ray spectrometer SolpeX”, 2015SPIE.9604E...05S ADS
- Dudnik, O. V., Kurbatov, E. V., Zajtsevsky, I. L., et al., “The Bpd Energetic Particle Detector as Part of the Solar X-Ray Photometer ChemiX for the ‘interhelioprobe’ Interplanetary Mission”, 2015RRPRA...20...247D ADS
- Steslicki, M., Sylwester, J., Płocieniak, S., et al., “Soft X-ray polarimeter-spectrometer SOLPEX”, 2015IAUGA...2254896S ADS
- Awasthi, A. K., Sylwester, B., Sylwester, J., & Jain, R., “Thermal characteristics of multi-wavelength emission during a B8.3 flare occurred on July 04, 2009”, 2015IAUGA...2254894A ADS
- Steslicki, M., Sylwester, J., Sylwester, B., et al., “Analysis of selected solar flares soft X-ray spectra from Diogeness observations”, 2015IAUGA...2254871S ADS
- Kepa, A., Sylwester, B., Sylwester, J., et al., “Multitemperature analysis of solar flare observed on 2003 March 29”, 2015IAUGA...2254863K ADS
- Sylwester, B., Sylwester, J., Phillips, K. J. H., Kepa, A., & Mrozek, T., “High-temperature solar flare plasma behaviour from crystal spectrometer observations”, 2015IAUGA...2254762S ADS
- Sylwester, J., Siarkowski, M., Bakała, J., et al., “X-ray spectra and analysis tools to be used in interpretation of ChemiX Bragg spectrometer under construction for the Interhelioprobe”, 2015IAUGA...2254649S ADS
- Gryciuk, M., Siarkowski, M., Sylwester, J., et al., “Statistical analysis of tiny SXR flares observed by SphinX”, 2015IAUGA...2252465G ADS

- Phillips, K. J. H., Sylwester, B., & Sylwester, J., “The X-Ray Line Feature at 3.5 KeV in Galaxy Cluster Spectra”, 2015ApJ...809...50P ADS
- Sylwester, B., Phillips, K. J. H., Sylwester, J., & Kepa, A., “Resik Solar X-Ray Flare Element Abundances on a Non-isothermal Assumption”, 2015ApJ...805...49S ADS
- Sylwester, J., Siarkowski, M., Gburek, S., et al., “Solar activity during the deep minimum of 2009”, 2014pas...conf...82S ADS
- Ścisłowski, D., Kowaliński, M., Podgórski, P., et al., “Solar Orbiter spacecraft instrument interface simulator and its applications for the STIX telescope tests”, 2014SPIE.9290E...38S ADS
- Barylak, J., Podgórski, P., Mrozek, T., et al., “Geant4 simulations of detector response matrix for Caliste-SO”, 2014SPIE.9290E...37B ADS
- Sylwester, B., Sylwester, J., Phillips, K. J. H., Kepa, A., & Mrozek, T., “Solar Flare Composition and Thermodynamics from RESIK X-Ray Spectra”, 2014ApJ...787...122S ADS
- Sylwester, J., Zimovets, I., Kowalinski, M., et al., “Chemix: a new generation bent crystal spectrometer for Interhelioprobe mission to the Sun”, 2014cosp...40E3258S ADS
- Sylwester, B., Sylwester, J., Farnik, F., et al., “Soft X-ray spectra of strong flares seen by Bragg flat crystal spectrometer aboard Coronas-F”, 2014cosp...40E3257S ADS
- Sylwester, B., Sylwester, J., Mrozek, T., Kepa, A., & Phillips, K., “Anomalous intensities of lines observed in RESIK soft X-ray flare spectra”, 2014cosp...40E3256S ADS
- Steslicki, M., Sylwester, J., Farnik, F., et al., “Flat crystal Bragg observations of the X-ray spectra during impulsive phases of solar flares”, 2014cosp...40E3203S ADS
- Siarkowski, M., Sylwester, J., Sylwester, B., & Gryciuk, M., “Analysis of selected microflares observed by SphinX over the last minimum of solar activity”, 2014cosp...40E3068S ADS
- Mrozek, T., Sylwester, J., Sylwester, B., et al., “Chromospheric dynamics from RHESSI and RESIK data”, 2014cosp...40E2191M ADS
- Kepa, A., Sylwester, J., Sylwester, B., et al., “Common observations of solar X-rays from SPHINX/CORONAS-PHOTON and XRS/MESSANGER”, 2014cosp...40E1451K ADS
- Gryciuk, M., Sylwester, J., Gburek, S., et al., “SphinX catalogue of small flares and brightenings”, 2014cosp...40E1086G ADS
- Kordylewski, Z., Sylwester, J., Sylwester, B., et al., “Investigations of Physical Processes in Solar Flare Plasma on the Basis of RESIK Spectrometer Observations”, 2014ASSL...400...157K ADS
- Kordylewski, Z., Sylwester, J., Sylwester, B., et al., “Observations of Doppler Shifts of X-Ray Lines in Solar Flare Spectra Based on DIOGENESS Spectrometer Data”, 2014ASSL...400...149K ADS
- Huenemoerder, D. P., Phillips, K. J. H., Sylwester, J., & Sylwester, B., “Erratum: “Stellar Coronae, Solar Flares: A Detailed Comparison of  $\sigma$  Gem, HR 1099, and the Sun in High-resolution X-Rays” <A href=“/abs/2013ApJ...768..135H”>(2013, ApJ, 768, 135)</A>”, 2013ApJ...776...139H ADS
- Mrozek, T., Gburek, S., Siarkowski, M., et al., “Solar flares observed simultaneously with SphinX, GOES and RHESSI”, 2013IAUS...294...571M ADS
- Gryciuk, M., Gburek, S., Siarkowski, M., et al., “Comparison of solar activity during last two minima on turn of Activity Cycles 22/23 and 23/24”, 2013IAUS...294...65G ADS
- Huenemoerder, D. P., Phillips, K. J. H., Sylwester, J., & Sylwester, B., “Stellar Coronae, Solar Flares: A Detailed Comparison of  $\sigma$  Gem, HR 1099, and the Sun in High-resolution X-Rays”, 2013ApJ...768...135H ADS
- Gburek, S., Sylwester, J., Kowalinski, M., et al., “SphinX: The Solar Photometer in X-Rays”, 2013SoPh...283...631G ADS
- Sylwester, B., Phillips, K. J. H., Sylwester, J., & Kełtextsectionpa, A., “Silicon Abundance from RESIK Solar Flare Observations”, 2013SoPh...283...453S ADS
- Benz, A. O., Gallagher, P., Veronig, A., et al., “Spectrometer Telescope for Imaging X-rays (STIX)”, 2012IAUSS...6E.509B ADS
- Benz, A. O., Krucker, S., Hurford, G. J., et al., “The spectrometer telescope for imaging x-rays on board the Solar Orbiter mission”, 2012SPIE.8443E...31B ADS
- Kulinová, A., Kašparová, J., Džifčáková, E., Sylwester, J., & Sylwester, B., “Diagnostics of Non-Thermal Distribution from RESIK and RHESSI Flare Spectra”, 2012ASPC...454...329K ADS
- Miceli, M., Reale, F., Gburek, S., et al., “X-ray emitting hot plasma in solar active regions observed by the SphinX spectrometer”, 2012A&A...544A.139M ADS
- Gryciuk, M., Sylwester, J., Gburek, S., Siarkowski, M., & Podgórski, P., “Characteristics of elementary soft X-ray flare profiles based on SphinX observations”, 2012cosp...39...672G ADS
- Sylwester, J., Kowalinski, M., Gburek, S., et al., “SphinX Measurements of the 2009 Solar Minimum X-Ray Emission”, 2012ApJ...751...111S ADS
- Sylwester, J., Sylwester, B., Phillips, K. J. H., & Kuznetsov, V. D., “The Solar Flare Sulfur Abundance from RESIK Observations”, 2012ApJ...751...103S ADS
- Skup, K. R., Cichocki, A., Graczyk, R., et al., “Instrument data processing unit for spectrometer/telescope for imaging x-rays (STIX)”, 2012SPIE.8454E...0KS ADS
- Dudnik, O. V., Podgórski, P., Sylwester, J., et al., “X-ray spectrophotometer SphinX and particle spectrometer STEP-F of the satellite experiment CORONAS-PHOTON. Preliminary results of the joint data analysis”, 2012SoSyR...46...160D ADS
- Mrozek, T., Gburek, S., Siarkowski, M., et al., “Common SphinX and RHESSI observations of solar flares”, 2012CEAB...36...71M ADS
- Sylwester, B., Phillips, K. J. H., Sylwester, J., & Kuznetsov, V. D., “The Solar Flare Chlorine Abundance from RESIK X-Ray Spectra”, 2011ApJ...738...49S ADS
- Kulinová, A., Kašparová, J., Džifčáková, E., et al., “Diagnostics of non-thermal distributions in solar flare spectra observed by RESIK and RHESSI”, 2011A&A...533A...81K ADS
- Gburek, S., Sylwester, J., Kowalinski, M., et al., “SphinX soft X-ray spectrophotometer: Science objectives, design and performance”, 2011SoSyR...45...189G ADS
- Kuznetsov, V. D., Sobelman, I. I., Zhitnik, I. A., et al., “Results of solar observations by the CORONAS-F payload”, 2011AdSpR...47.1538K ADS
- Gburek, S., Siarkowski, M., Kepa, A., et al., “Soft X-ray variability over the present minimum of solar activity as observed by SphinX”, 2011SoSyR...45...182G ADS
- Sylwester, B., Sylwester, J., Siarkowski, M., Engell, A. J., & Kuzin, S. V., “Physical Characteristics of AR 11024 Plasma Based on SPHINX and XRT Data”, 2011CEAB...35...171S ADS
- Engell, A. J., Siarkowski, M., Gryciuk, M., et al., “Flares and Their Underlying Magnetic Complexity”, 2011ApJ...726...12E ADS
- Laming, J. M., Adams, J., Alexander, D., et al., “Science Objectives for an X-Ray Microcalorimeter Observing the Sun”, 2010arXiv1011.4052L ADS
- Sylwester, J., Sylwester, B., Phillips, K. J. H., & Kuznetsov, V. D., “A Solar Spectroscopic Absolute Abundance of Argon from RESIK”, 2010ApJ...720.1721S ADS
- Engell, A. J., Sylwester, J., & Siarkowski, M., “Xrt And Shinx Joint Flare Study: Ar 11024”, 2010AAS...21640432E ADS
- Sylwester, B., Sylwester, J., & Phillips, K. J. H., “Soft X-ray coronal spectra at low activity levels observed by RESIK”, 2010A&A...514A...82S ADS
- Phillips, K. J. H., Sylwester, J., Sylwester, B., & Kuznetsov, V. D., “The Solar X-ray Continuum Measured by RESIK”, 2010ApJ...711...179P ADS
- Sylwester, J., Kowalinski, M., Gburek, S., et al., “The Sun’s X-ray Emission During the Recent Solar Minimum”, 2010EOSTr...91...73S ADS
- Sylwester, J., Sylwester, B., Phillips, K. J. H., & Kuznetsov, V. D., “Highly Ionized Potassium Lines in Solar X-ray Spectra and the Abundance of Potassium”, 2010ApJ...710...804S ADS
- Kepa, A., Gburek, S., Siarkowski, M., et al., “Determination of Differential Emission Measure Distribution of Coronal Structures Observed by SphinX During Recent Minimum of Solar Activity”, 2010cosp...38.2907K ADS
- Siarkowski, M., Gryciuk, M., Gburek, S., et al., “Short time variability of solar corona during recent solar cycle minimum”, 2010cosp...38.2905S ADS
- Sylwester, B., Sylwester, J., Siarkowski, M., Gburek, S., & Phillips, K., “Evolution of plasma characteristics for weak X-ray brightenings seen by SphinX during recent deep minimum of solar activity”, 2010cosp...38.2896S ADS
- Gburek, S., Sylwester, J., Kowalinski, M., et al., “A New High-sensitivity solar X-ray Spectrophotometer SphinX:early operations and databases”, 2010cosp...38.2895G ADS
- Kulinová, A., Džifčáková, E., Sylwester, B., & Sylwester, J., “Non-thermal Diagnostics of a Flare Observed by RESIK”, 2009CEAB...33...243K ADS
- Sylwester, J., Sylwester, B., Landi, E., Phillips, K. J. H., & Kuznetsov, V. D., “Determination of K, Ar, Cl, S, Si and Al flare abundances from RESIK soft X-ray spectra”, 2008AdSpR...42...838S ADS
- Sylwester, B., Sylwester, J., Phillips, K. J. H., & Landi, E., “He-like Ar XVII triplet observed by RESIK”, 2008AdSpR...42...833S ADS
- Kepa, A., Sylwester, B., Siarkowski, M., & Sylwester, J., “Differential emission measure distributions in X-ray solar flares”, 2008AdSpR...42...828K ADS
- Gburek, S., Mrozek, T., Siarkowski, M., & Sylwester, J., “Spectroscopic analysis of the solar flare event on 2002 August 3 with the use of RHESSI and RESIK data”, 2008AdSpR...42...822G ADS
- Džifčáková, E., Kulinová, A., Chifor, C., et al., “Nonthermal and thermal diagnostics of a solar flare observed with RESIK and RHESSI”, 2008A&A...488...311D ADS
- Collura, A., Barbera, M., Varisco, S., et al., “Calibration of the SphinX experiment at the XACT facility in Palermo”, 2008SPIE.7011E...2UC ADS
- Sylwester, J., Sylwester, B., & Phillips, K. J. H., “RESIK Observations of Helium-like Argon X-Ray Line Emission in Solar Flares”, 2008ApJ...681L.117S ADS

- Sylwester, J., Kuzin, S., Kotov, Y. D., Farnik, F., & Reale, F., “*SphinX: A fast solar Photometer in X-rays*”, 2008JApA...29..339S ADS
- Sylwester, B., Sylwester, J., & Phillips, K. J. H., “*X-ray studies of flaring plasma*”, 2008JApA...29..147S ADS
- Gburek, S., Sylwester, B., & Sylwester, J., “*Cycle 23 flare temperatures and emission measures as derived from GOES X-ray data*”, 2008JASTP...70..241G ADS
- Szymon, G., Collura, A., Barbera, M., et al., “*Detailed Calibration of SphinX instrument at the Palermo XACT facility of INAF-OAPA*”, 2008cosp...37.3114S ADS
- Sylwester, J., Kowalinski, M., Szymon, G., et al., “*The Soft X-ray Spectrophotometer SphinX for the CORONAS-Photon Mission*”, 2008cosp...37.3111S ADS
- Sylwester, B., Sylwester, J., Szymon, G., & Kuznetsov, V., “*Coronal plasma composition from RESIK soft X-ray spectra*”, 2008cosp...37.3110S ADS
- Kotov, Y., Kochemasov, A., Kuzin, S., et al., “*Set of instruments for solar EUV and soft X-ray monitoring onboard satellite Coronas-Photon*”, 2008cosp...37.1596K ADS
- Sylwester, J. & Sylwester, B., “*(im)Balance of Forces in the Corona*”, 2007CEAB...31..229S ADS
- Sylwester, B. & Sylwester, J., “*X-Ray Study of Compact Flare Kernels*”, 2007CEAB...31..77S ADS
- Chifor, C., Del Zanna, G., Mason, H. E., et al., “*A benchmark study for CHIANTI based on RESIK solar flare spectra*”, 2007A&A...462..323C ADS
- Gburek, S., Sylwester, J., & Martens, P., “*The Trace Telescope Point Spread Function for the 171 Å Filter*”, 2006SoPh...239..531G ADS
- Kepa, A., Sylwester, J., Sylwester, B., Siarkowski, M., & Stepanov, A. I., “*Determination of differential emission measure from X-ray solar spectra registered by RESIK aboard CORONAS-F*”, 2006SoSyR...40..294K ADS
- Chifor, C., Del Zanna, G., Sylwester, J., Sylwester, B., & Phillips, K. J. H., “*RESIK Flare X-ray Spectra: Benchmark Analysis And Plasma Diagnostics Based On CHIANTI*”, 2006SPD...37.1314C ADS
- Sylwester, B., Sylwester, J., Kepa, A., et al., “*Thermodynamics of selected solar flares as determined from the analysis of the spectra obtained with the RESIK instrument*”, 2006SoSyR...40..125S ADS
- Phillips, K. J. H., Dubau, J., Sylwester, J., & Sylwester, B., “*Si XII X-Ray Satellite Lines in Solar Flare Spectra*”, 2006ApJ...638.1154P ADS
- Sylwester, B., Sylwester, J., Phillips, K. J. H., & Landi, E., “*He-like triplets observed by RESIK*”, 2006cosp...36.2877S ADS
- Sylwester, J., Sylwester, B., Landi, E., Phillips, K. J. H., & Kuznetsov, V. D., “*Determination of K, Ar, Cl, S and Si flare abundances from RESIK soft X-ray spectra*”, 2006cosp...36.2871S ADS
- Kepa, A., Sylwester, B., Siarkowski, M., & Sylwester, J., “*Differential emission measure distributions in X-ray solar flares*”, 2006cosp...36.1295K ADS
- Sylwester, B., Sylwester, J., Kepa, A., & Phillips, K. J. H., “*Determination of flaring plasma characteristics from RESIK X-ray spectra*”, 2006IAUS...233..165S ADS
- Phillips, K. J. H., Dubau, J., Sylwester, J., et al., “*Temperature-sensitive line ratio diagnostics based on Si satellite-to-resonance line ratios for  $1s^2$   $1snp$  transitions*”, 2006AdSpR...38.1543P ADS
- Kepa, A., Sylwester, J., Sylwester, B., et al., “*Observations of  $1s^2$   $1snp$  and  $1snp$  lines in RESIK soft X-ray spectra*”, 2006AdSpR...38.1538K ADS
- Sylwester, B., Sylwester, J., Siarkowski, M., et al., “*Lines in the range 3.2–6.1 Å observed in RESIK spectra*”, 2006AdSpR...38.1534S ADS
- Sylwester, J., Sylwester, B., Phillips, K. J. H., et al., “*Analysis of potassium abundance in a large number of flares*”, 2006AdSpR...38.1490S ADS
- Siarkowski, M., Kepa, A., Sylwester, B., & Sylwester, J., “*Wroclaw in Space: X-ray Diagnostics of Solar Corona*”, 2006AIPC...812..393S ADS
- Sylwester, B., Sylwester, J., & Kepa, A., “*Plasma Kernels in Homologous (?) Flares*”, 2005ESASP.600E.169S ADS
- Sylwester, J., Sylwester, B., Phillips, K. J. H., & Kepa, A., “*Evolution of Flaring Plasma Components on Diagnostic Diagrams*”, 2005ESASP.600E.143S ADS
- Kepa, A., Sylwester, J., Sylwester, B., Siarkowski, M., & Kuznetsov, V., “*DEM Distributions for Short and Long Duration Flares as Determined from Resik-soft X-Ray Spectra*”, 2005ESASP.600E..87K ADS
- Sylwester, J., Sylwester, B., Kordylewski, Z., et al., “*Observations of Solar X-ray Spectra by the DIOGENESS and RESIK Spectrometers Onboard the CORONAS-F Satellite*”, 2005SoSyR...39..479S ADS
- Czerny, B., Collin, S., Dowciak, M., et al., “*Comparison of the solar corona and the coronae above accretion disks surrounding black holes*”, 2005AIPC...801..188C ADS
- Landi, E., Phillips, K. J. H., Sylwester, J., et al., “*Dielectronic Satellites Near the  $1s^2 - 1snp$  ( $n > 2$ ) Lines of He-like Ions in Solar X-ray Spectra*”, 2005AIPC...774..173L ADS
- Phillips, K. J., Sylwester, J., Sylwester, B., & Dubau, J., “*Si XII X-ray Satellite Lines in Solar Flare Spectra*”, 2005AGUSMP23B...08P ADS
- Sylwester, J., Gaicki, I., Kordylewski, Z., et al., “*Resik: A Bent Crystal X-ray Spectrometer for Studies of Solar Coronal Plasma Composition*”, 2005SoPh...226...45S ADS
- Gburek, S., Sylwester, J., Sylwester, B., Dennis, B. R., & Phillips, K. J. H., “*Multi-wavelength study of a strong impulsive solar limb flare on 2002 August 3*”, 2005AdSpR...35.1728G ADS
- Dennis, B. R., Phillips, K. J. H., Sylwester, J., et al., “*The thermal X-ray spectrum of the 2003 April 26 solar flare*”, 2005AdSpR...35.1723D ADS
- Gburek, S. & Sylwester, J., “*Small Scale Events Seen in SXT Observations*”, 2005ASSL...320..255G ADS
- Phillips, K. J. H., Dennis, B. R., Sylwester, J., & Sylwester, B., “*RHESSI, RESIK, and GOES Observations of the Solar Flare Thermal Spectrum*”, 2004AAS...204.8701P ADS
- Sylwester, B., Sylwester, J., Siarkowski, M., et al., “*Identification of Lines in the Range 3.35 Å - 6.1 Å Observed in RESIK Spectra*”, 2004cosp...35.2663S ADS
- Sylwester, J., Sylwester, B., Phillips, K. J. H., et al., “*Analysis of Potassium Abundance Variability in Selected Solar Flares*”, 2004cosp...35.2639S ADS
- Phillips, K. J. H., Dubau, J., Sylwester, J., et al., “*Temperature-sensitive Line Ratios Diagnostics of the non-flaring Corona based on Satellite-to-Resonance Line Ratios for  $1s^2$ - $1s(np)$  Transitions*”, 2004cosp...35.2579P ADS
- Kepa, A., Sylwester, B., Sylwester, J., Phillips, K. J. H., & Kuznetsov, V. D., “*Observations of  $1s^2$ - $1s(np)$  and  $1s$ - $(np)$  Lines in RESIK Soft X-ray Spectra*”, 2004cosp...35.2574K ADS
- Dennis, B., Phillips, K., Sylwester, J., et al., “*Thermal and nonthermal contributions to the solar flare x-ray flux*”, 2004cosp...35.1284D ADS
- Gburek, S., Sylwester, J., Sylwester, B., Dennis, B., & Phillips, K. J. H., “*Multi-Wavelength Study of a Strong Impulsive Solar Limb Flare on 2002 August 3*”, 2004cosp...35.1080G ADS
- Kuznetsov, V. D., Sobelman, I. I., Zitnik, I. A., et al., “*Results of solar observations on-board the CORONAS-F satellite*”, 2004cosp...35..812K ADS
- Sylwester, B., Sylwester, J., Siarkowski, M., Phillips, K. J. H., & Landi, E., “*Detection of H- and He-like resonance lines of chlorine in solar flare spectra*”, 2004IAUS...223..671S ADS
- Kowalinski, M., Kordylewski, Z., Sylwester, J., Trzebinski, W., & Lisin, D., “*Solar forced variations of terrestrial high energy particle environment as seen by RESIK PIN detectors on CORONAS-F*”, 2004IAUS...223..551K ADS
- Kepa, A., Sylwester, J., Sylwester, B., & Siarkowski, M., “*First Determinations of Differential Emission Measure Distribution from RESIK X-ray Spectra*”, 2004IAUS...223..461K ADS
- Gburek, S., Sylwester, J., Sylwester, B., & Kowalinski, M., “*Analysis of physical plasma properties within flare kernels from EUV/X-ray observations*”, 2004IAUS...223..455G ADS
- Sylwester, J., “*Bragg spectroscopy from CORONAS-F*”, 2004IAUS...223..409S ADS
- Kuznetsov, V. D., Charikov, Y. E., Kotov, Y. D., et al., “*A review of the solar results from CORONAS-F satellite*”, 2004IAUS...223..357K ADS
- Phillips, K. J. H., Sylwester, J., Sylwester, B., & Landi, E., “*Abundances of Potassium, Argon, and Sulphur in Solar Flares*”, 2004IAUS...219..176P ADS
- Sylwester, J. & Sylwester, B., “*Connectivity pattern in the corona*”, 2004HvaOB...28...71S ADS
- Sylwester, J., Sylwester, B., Culhane, J. L., et al., “*Patterns of X-ray line emission variability as observed by the RESIK Bragg spectrometer*”, 2003ESASP.535..733S ADS
- Sylwester, B. & Sylwester, J., “*Analysis of Yohkoh-observed limb flares accompanying CME events*”, 2003ESASP.535..483S ADS
- Gburek, S. & Sylwester, J., “*Origins of strong solar geo-effective events as seen by SXT telescope*”, 2003ESASP.535..235G ADS
- Phillips, K. J. H., Sylwester, J., Sylwester, B., & Landi, E., “*Solar Flare Abundances of Potassium, Argon, and Sulphur*”, 2003ApJ...589L.113P ADS
- Phillips, K. J. H., Sylwester, J., Sylwester, B., & Landi, E., “*Solar Flare Abundances of Potassium, Argon, and Sulphur*”, 2003SPD...34.1622P ADS
- Oraevsky, V., Sobelman, I., Kuznetsov, V., et al., “*CORONAS-F Solar Observations*”, 2003EAJE...48480 ADS
- Kuznetsov, S. N., Bogomolov, A. V., Denisov, Y. I., et al., “*The Solar Flare of November 4, 2001, and Its Manifestations in Energetic Particles from Coronas-F Data*”, 2003SoSyR...37..121K ADS
- Plocieniak, S., Sylwester, J., Kordylewski, Z., & Sylwester, B., “*Determination of wavelengths and line shifts based on X-ray spectra from Diogeness*”, 2002ESASP.506..963P ADS
- Sylwester, B. & Sylwester, J., “*Comparison of trace and deconvolved SXT images for solar flares*”, 2002ESASP.506..773S ADS
- Sylwester, B. & Sylwester, J., “*Multitemperature analysis of selected limb-occulted flares lines in solar flares*”, 2002ESASP.506..769S ADS
- Sylwester, J., Culhane, J. L., Doschek, G. A., et al., “*RESIK observations of highly ionized argon and potassium X-ray emission lines in solar flares*”, 2002ESASP.506..765S ADS

- Siarkowski, M., Sylwester, J., Plocieniak, S., & Kordylewski, Z., "Flare X-ray spectra observed by Diogenes scanning bragg spectrometer", 2002ESASP.506..753S [ADS](#)
- Gburek, S. & Sylwester, J., "Mission long analysis of distribution of compact X-ray sources observed by SXT on Yohkoh", 2002ESASP.506..517G [ADS](#)
- Sylwester, J., Kepa, A., & Bentley, R. D., "On a possible cause of discrepancy between Yohkoh and SMM calcium abundance determinations in flares", 2002AdSpR..30..105S [ADS](#)
- Sylwester, J. & Kordylewski, Z., "The x-ray package for spectroscopic measurements of solar plasma composition", 2002AdSpR..30..67S [ADS](#)
- Gburek, S. & Sylwester, J., "Search for Compact x-ray Sources in sxt Observations", 2002SoPh..206..273G [ADS](#)
- Sylwester, J., Gaicki, I., Kordylewski, Z., et al., "Early results from RESIK and Diogenes soft X-ray spectrometers aboard Coronas-F satellite", 2002ESASP.477..597S [ADS](#)
- Sylwester, B. & Sylwester, J., "Thermodynamics of partly occulted limb flares", 2002ESASP.477..171S [ADS](#)
- Kepa, A. & Sylwester, J., "Analysis of differential emission measure evolution for selected SEP and non-SEP associated flares based on hard and soft X-ray observations", 2002ESASP.477..131K [ADS](#)
- Gburek, S., Sylwester, J., & Martens, P. C. H., "Blind Deconvolution of the SXT PSF Core Part", 2002mwoc.conf..417G [ADS](#)
- Sylwester, J. & Sylwester, B., "Modeling of X-Ray Source Occultation by the Solar Disk", 2002mwoc.conf..409S [ADS](#)
- Rompolt, B. & Sylwester, J., "JOSO national report 2000-2001 - Poland", in Joint Organization for Solar Observations, Annual Report 2000/2001, 83-86 2002joso.book...83R [ADS](#)
- Sylwester, B. & Sylwester, J., "Physical conditions within flare kernels", 2002AdSpR..30..617S [ADS](#)
- Sylwester, J., "Experience of Wroclaw team in construction of solar X-ray instruments", 2001ESASP.493..377S [ADS](#)
- Sylwester, J., Farník, F., Likin, O., et al., "Solar Soft/Hard X-ray Photometer-Imager Aboard the Interball-Tail Probe", 2000SoPh..197..337S [ADS](#)
- Sylwester, B. & Sylwester, J., "Evolution of White-Light Flares Observed by YOHKOH", 2000SoPh..194..305S [ADS](#)
- Sylwester, J., "Analysis of Three SEP Associated Flares", 2000ESASP.463..431S [ADS](#)
- Sylwester, B. & Sylwester, J., "The Properties of Flares Produced Within AR 6919", 1999ESASP.448..895S [ADS](#)
- Siarkowski, M., Sylwester, J., Gburek, S., & Kordylewski, Z., "Review of RF 15-I X-ray Photometer Observations", 1999ESASP.448..877S [ADS](#)
- Kepa, A., Sylwester, J., & Bentley, R. D., "Influence of Yohkoh BCS Instrumental Shape on Results of Spectral Fitting in Vicinity of Ca XIX Lines", 1999ESASP.448..835K [ADS](#)
- Gburek, S. & Sylwester, J., "In-Flight Analysis of the Yohkoh PSF Function", 1999ESASP.448..819G [ADS](#)
- Sylwester, J., "Search for Basic Building Block Composing Solar Atmospheric Structures", 1999ESASP.448..665S [ADS](#)
- Sylwester, J. & Sylwester, B., "Transversal and Radial Motions of Flaring Kernels for 11 August 2992 Event", 1999ESASP.446..639S [ADS](#)
- Sylwester, J. & Sylwester, B., "Reconstruction of Images with Poisson Noise", 1999AcA...49..189S [ADS](#)
- Sylwester, B. & Sylwester, J., "Flaring Structures Observed in Deconvolved SXT Images", 1999AcA...49..85S [ADS](#)
- Svestka, Z. F., Poletto, G., Fontenla, J., et al., "The Gradual Phase of Flares", 1999mfs..conf..409S [ADS](#)
- Fludra, A., Saba, J. L. R., Henoux, J. C., et al., "Coronal Abundances", 1999mfs..conf..89F [ADS](#)
- Sylwester, B. & Sylwester, J., "Reconstruction of coronal magnetic fields from deconvolved SXT images.", 1999joso.proc..105S [ADS](#)
- Sylwester, J. & Sylwester, B., "Dynamics of coronal flux tubes in flares.", 1999joso.proc...93S [ADS](#)
- Sylwester, J., Kordylewski, Z., Siarkowski, M., et al., "Detection of SGR 1900+14 Pulse on August 27, 1998 by RF-15I Soft/Hard Solar X-ray Photometer", 1998AcA...48..819S [ADS](#)
- Sylwester, J. & Sylwester, B., "ANDRIL - Maximum Likelihood Algorithm for Deconvolution of SXT Images", 1998AcA...48..519S [ADS](#)
- Sylwester, J., Lemen, J. R., Bentley, R. D., Fludra, A., & Zolcinski, M. C., "Detailed Evidence for Flare-to-Flare Variations of the Coronal Calcium Abundance", 1998ApJ...501..397S [ADS](#)
- Likin, O. B., Pisarenko, N. F., Farnik, F., et al., "On-board photometer for obtaining two-dimensional image of a solar flare with the use of soft X-rays.", 1998KosIs..36..305L [ADS](#)
- Likin, O. B., Pisarenko, N. F., Farnik, F., et al., "On-Board Photometer for Obtaining a Two-Dimensional Image of a Solar Flare with the Use of Soft X-rays", 1998CosRe..36..287L [ADS](#)
- Sylwester, B. & Sylwester, J., "Physical conditions in flaring loops.", 1998joso.proc..155S [ADS](#)
- Sylwester, B., Sylwester, J., Siarkowski, M., Fludra, A., & Serio, S., "Analysis of the flare evolution in the emission measure - temperature diagrams for selected events observed by SMM (abstract)", 1998PAICz..88...94S [ADS](#)
- Fludra, A., Bentley, R. D., Culhane, J. L., Lemen, J. R., & Sylwester, J., "Iron and calcium abundances in solar flares from the multitemperature analysis of X-ray spectra (abstract)", 1998PAICz..88...91F [ADS](#)
- Sylwester, J., Gaicki, I., Kordylewski, Z., et al., "RESIK: High Sensitivity Soft X-ray Spectrometer for the Study of Solar Flare Plasma", 1998ESASP.417..313S [ADS](#)
- Sylwester, J. & Sylwester, B., "Evolution of Flaring Structures", 1998ASPC..155..381S [ADS](#)
- Sylwester, B. & Sylwester, J., "Structures in vicinity of sunspots as seen on deconvolved SXT images.", 1997joso.proc...97S [ADS](#)
- Sylwester, J. & Sylwester, B., "Footpoint Structures of Flare Loops", 1997ESASP.404..697S [ADS](#)
- Bentley, R. D., Sylwester, J., & Lemen, J. R., "Calcium abundance measurements using the Yohkoh BCS", 1997AdSpR..20.2275B [ADS](#)
- Kordylewski, Z. & Sylwester, J., "The Soft X-Ray Spectrometer-Photometer Diogenes Aboard the Coronas-I Satellite", 1996pas..meet...88K [ADS](#)
- Sylwester, B., Sylwester, J., & Garcia, H. A., "Thermodynamic signatures of proton flares.", 1996joso.proc..161S [ADS](#)
- Sylwester, J., "High-resolution temperature maps of flares from deconvolved SXT images.", 1996joso.proc..131S [ADS](#)
- Siarkowski, M., Sylwester, J., Jakimiec, J., & Tomczak, M., "Improvement of SXT Image Alignment in Order to Obtain High-Resolution Temperature Maps", 1996AcA...46...15S [ADS](#)
- Sylwester, B., Sylwester, J., & Siarkowski, M., "Fine Structures Observed on Deconvolved SXT Images", 1996ASPC..111..249S [ADS](#)
- Sylwester, J., Sylwester, B., & Siarkowski, M., "ANDRIL Algorithm for Deconvolution of SXT Images", 1996ASPC..111..244S [ADS](#)
- Pres, P., Siarkowski, M., & Sylwester, J., "Soft X-ray imaging of the TY Pyx binary system - II. Modelling the interconnecting loop-like structure", 1995MNRAS.275...43P [ADS](#)
- Sylwester, J., Garcia, H. A., & Sylwester, B., "Quantitative interpretation of GOES soft X-ray measurements. I. The isothermal approximation: application of various atomic data.", 1995A&A...293..577S [ADS](#)
- Sylwester, J., "Diagnostics of the Coronal Plasma (Invited)", 1994scs..conf..391S [ADS](#)
- Sylwester, B., Sylwester, J., Reale, F., & Serio, S., "Manifestation of Multiple Energy Release on the Evolution of Flares in the Diagnostic Diagrams", 1994scs..conf..257S [ADS](#)
- Siarkowski, M., Sylwester, J., & Pres, P., "Soft X-ray Imaging of TY Pyx Binary System", 1994scs..conf..207S [ADS](#)
- Sylwester, J. & Garcia, H. A., "On the Use of GOES Soft X-Ray Database in Solar Research", 1994emsp.conf..213S [ADS](#)
- Heintze, J. R. W., van Genderen, A. M., van Oss, R., et al., "Book reviews", 1993SSRv...64..363H [ADS](#)
- Sylwester, J., Sylwester, B., Jakimiec, J., et al., "Estimation of equivalent flaring loop geometry based on broadband soft x-ray observations", 1993AdSpR..13i.307S [ADS](#)
- Rutten, R. J., Mewe, R., Houziaux, L., et al., "Book reviews", 1993SSRv...65..181R [ADS](#)
- Somov, B. V. & Sylwester, J., "Book-Review - Physical Processes in Solar Flares", 1993SSRv...64Q.368S [ADS](#)
- Svestka, Z., Jackson, B. V., Machado, M. E., & Sylwester, J., "Book-Review - Eruptive Solar Flares", 1993SSRv...65..186S [ADS](#)
- Sylwester, B., Sylwester, J., Siarkowski, M., Serio, S., & Reale, F., "Analysis of Flare Evolution in the Emission Measure-Temperature Diagram for Three Events Observed by SMM", 1993ASSL..183..147S [ADS](#)
- Sylwester, J. & Sylwester, B., "Properties of SMM Flares", 1993ASSL..183..139S [ADS](#)
- Sylwester, B., Sylwester, J., Serio, S., et al., "Dynamics of flaring loops. III - Interpretation of flare evolution in the emission measure-temperature diagram", 1993A&A...267..586S [ADS](#)
- Sylwester, J. & Bentley, R. D., "Objectives of RESIK solar concave soft X-ray spectrometer for CORONAS-F mission.", 1992ESASP.348..357S [ADS](#)
- Serio, S., Reale, F., Peres, G., et al., "Thermodynamic decay scaling laws in solar loop flares", 1992MmSAI..63..763S [ADS](#)
- Serio, S., Reale, F., Peres, G., et al., "Flare Evolution in the Density - Temperature Diagram", in Z. Svestka, B. V. Jackson, and M. E. Machado (Eds.), IAU Colloq. 133: Eruptive Solar Flares, Vol. 399, 135 1992LNP...399..135S [ADS](#)
- Jakimiec, J., Sylwester, B., Sylwester, J., et al., "Dynamics of flaring loops. II - Flare evolution in the density-temperature diagram", 1992A&A...253..269J [ADS](#)
- Sylwester, B., Sylwester, J., Jakimiec, J., Serio, S., & Reale, F., "Thermodynamic Evolution of Flares", in Y. Uchida, R. C. Canfield, T. Watanabe, and E. Hiei (Eds.), Flare Physics in Solar Activity Maximum 22, Vol. 387, 188 1991LNP...387..188S [ADS](#)

- Fludra, A., Bentley, R. D., Culhane, J. L., Lemen, J. R., & Sylwester, J., "Iron and calcium abundances in solar flares from the multi-temperature analysis of X-ray spectra", 1991AdSpR...11a.155F ADS
- Serio, S., Reale, F., Jakimiec, J., Sylwester, B., & Sylwester, J., "Dynamics of flaring loops. I - Thermodynamic decay scaling laws", 1991A&A...241..197S ADS
- Sylwester, J. & Farnik, F., "DIOGENESS: soft X-ray spectrometer-photometer for studies of flare energy balance.", 1990BAICz...41..149S ADS
- Sylwester, B., Sylwester, J., Bentley, R. D., & Fludra, A., "Investigation of non-uniform heating during the decay phase of solar flares", 1990SoPh...126..177S ADS
- Fludra, A., Bentley, R. D., Culhane, J. L., et al., "The Decay Phase of Three Large Solar Flares", 1990PDH0...7..266F ADS
- Sylwester, B., Sylwester, J., Jakimiec, J., et al., "Study of Non-Uniform Heating in Solar Flares", 1990PDH0...7..255S ADS
- Sylwester, J., "X-ray Spectroscopy of the Upper Solar Atmosphere", 1990PDH0...7..212S ADS
- Fludra, A., Lemen, J. R., Jakimiec, J., Bentley, R. D., & Sylwester, J., "Turbulent and Directed Plasma Motions in Solar Flares", 1989ApJ...344..991F ADS
- Siarkowski, M., Sylwester, J., Jakimiec, J., & Bentley, R. D., "Comparison of the Microwave and Soft X-Ray Emission above a Sunspot", 1989SoPh...119..65S ADS
- Wu, S. T., de Jager, C., Dennis, B. R., et al., "Flare energetics.", 1989epos.conf..377W ADS
- Sylwester, B., Sylwester, J., & Jakimiec, J., "Results of the LEBAN diagnostic procedure applied to two SMM-observed flares.", 1988JPhys...49..309S ADS
- Sylwester, J., Zolcinski-Couet, M. C., Bentley, R. D., & Lemen, J. R., "Time variations of the calcium elemental abundance in flares from NOAA active regions 2562 and 2779.", 1988JPhys...49..189S ADS
- Sylwester, B., Farnik, F., & Sylwester, J., "Influence of the energy calibration of broad-band X-ray detectors on determination of the plasma parameters", 1988AdSpR...8k.267S ADS
- Jakimiec, J., Prés, P., Fludra, A., et al., "Intercomparison of flare observations with two SMM spectrometers: BCS and HXIS", 1988AdSpR...8k.231J ADS
- Sylwester, J., "Coronal loops, X-ray diagnostics", 1988AdSpR...8k..55S ADS
- Bentley, R. D., Fludra, A., Lemen, J. R., Jakimiec, J., & Sylwester, J., "Investigations of Turbulent and Direct Motions in Solar Flares", 1987BAAS...19R.750B ADS
- Sylwester, J., Lemen, J. R., Mewe, R., Bentley, R. D., & Sylwester, B., "Variation in Calcium Abundance during Flares", 1987sman.work..123S ADS
- Jakimiec, J., Sylwester, B., Sylwester, J., et al., "High-Temperature Plasma Diagnostics of Solar Flares and Comparison with Model Calculations", 1987sman.work...91J ADS
- Sylwester, B., Sylwester, J., Jakimiec, J., et al., "LEBAN diagnostic for basic flaring loop parameters.", 1987PAICz...66..229S ADS
- Wu, S. T., de Jager, C., Dennis, B. R., et al., "Review of Impulsive Phase Phenomena", 1986epos.conf.5.60W ADS
- Wu, S. T., de Jager, C., Dennis, B. R., et al., "Flares Chosen for Energetics Study", 1986epos.conf.5.47W ADS
- Wu, S. T., de Jager, C., Dennis, B. R., et al., "Characterization of the Total Flare Energy", 1986epos.conf.5.41W ADS
- Wu, S. T., de Jager, C., Dennis, B. R., et al., "Relationships among the Phases", 1986epos.conf.5.39W ADS
- Wu, S. T., de Jager, C., Dennis, B. R., et al., "Energetics of the Gradual Phase", 1986epos.conf.5.20W ADS
- Wu, S. T., de Jager, C., Dennis, B. R., et al., "Energetics of the Impulsive Phase", 1986epos.conf.5.5W ADS
- Sylwester, B., Faucher, P., Jakimiec, J., et al., "Erratum - Investigation of the Maxii 8.42A Doublet in Solar Flare Spectra", 1986SoPh...105..429S ADS
- Fludra, A. & Sylwester, J., "Comparison of Three Methods Used for Calculation of the Differential Emission Measure", 1986SoPh...105..323F ADS
- Sylwester, B., Faucher, P., Jakimiec, J., et al., "Investigation of the Mg XII 8.42 Å doublet in solar flare spectra", 1986SoPh...103..67S ADS
- Wu, S. T., de Jager, C., Dennis, B. R., et al., "Flare energetics.", 1986NASCP2439...5W ADS
- Siarkowski, M., Bentley, R. D., Jakimiec, J., & Sylwester, J., "Observational evidences for coronal temperature depression above sunspot umbra", 1986CoSka...15..677S ADS
- Sylwester, J., Jakimiec, J., Fludra, A., & Lemen, J. R., "Density-temperature diagnostics of 31 August double flare", 1986CoSka...15..153S ADS
- Sylwester, B., Sylwester, J., Jakimiec, J., et al., "Physical conditions in a large flare loop on Nov. 1980 derived from SMM observations", 1986CoSka...15..145S ADS
- Jakimiec, J., Sylwester, B., Sylwester, J., et al., "Investigation of flare heating based on X-ray observations", 1986CoSka...15..123J ADS
- Fárník, F., Sylwester, B., Sylwester, J., Jakimiec, J., & Valníček, B., "Flare evolution from Prognoz 9 data", 1986CoSka...15..121F ADS
- Lemen, J. R., Sylwester, J., & Bentley, R. D., "Determination of the calcium elemental abundance for 43 flares from SMM-XRP solar X-ray spectra", 1986AdSpR...6f.245L ADS
- Jakimiec, J., Sylwester, B., Sylwester, J., et al., "Investigation of flare heating based on X-ray observations", 1986AdSpR...6f.237J ADS
- Sylwester, B., Fárník, F., Sylwester, J., Jakimiec, J., & Valníček, B., "Flare diagnostics based on Prognoz 9 X-ray data", 1986AdSpR...6f.233S ADS
- Jakimiec, J., Fludra, A., Lemen, J. R., Dennis, B. R., & Sylwester, J., "Investigations of turbulent motions and particle acceleration in solar flares", 1986AdSpR...6f.191J ADS
- Staude, J., Furstenberg, F., Hildebrandt, J., et al., "The Atmosphere of a Sunspot Based on Observations in the X-Ray Extreme Ultraviolet Optical and Radio Ranges", 1984SvA...28..557S ADS
- Staude, J., Furstenberg, F., Hildebrandt, J., et al., "The atmosphere of a sunspot based on observations in the X-ray, extreme ultraviolet, optical, and radio ranges", 1984AZh...61..956S ADS
- Sylwester, J., Lemen, J. R., & Mewe, R., "Variation in observed coronal calcium abundance of X-ray flare plasmas", 1984Natur.310..665S ADS
- Farnik, F., Valnicek, B., Sylwester, B., Sylwester, J., & Jakimiec, J., "Comparison of energy calibration of Prognoz 5, 6, 7 and 8, and other hard X-ray solar photometers.", 1984BAICz...35..158F ADS
- Hudec, R., Valnicek, B., Hudcova, V., Sylwester, J., & Kordylewski, Z., "X-Ray Pictures of the Sun Taken from Vertical 8", 1984BAICz...35..153B ADS
- Strong, K. T., Benz, A. O., Dennis, B. R., et al., "A Multiwavelength Study of a Double Impulsive Flare", 1984SoPh...91..325S ADS
- Lemen, J. R., Sylwester, J., & Mewe, R., "Variation in the Observed Coronal Calcium Abundance for Various X-Ray Flare Plasmas", 1984BAAS...16..545L ADS
- Sylwester, J., Sylwester, B., Jakimiec, J., et al., "Analysis of Intensity Ratio for MG XII LY Components from Intercosmos 7 Observations (short Abstract)", 1984uxsa.col11..154S ADS
- Sylwester, J., Lemen, J. R., & Mewe, R., "Variation of the Observed Coronal Calcium Abundance for Various X-Ray Flare Plasmas (short Abstract)", 1984uxsa.col11..21S ADS
- Jakimiec, J., Sylwester, J., Lemen, J. R., et al., "Differential emission measure analysis of hot-flare plasma from solar-maximum mission X-ray data", 1984AdSpR...4g.203J ADS
- Valnicek, B., Farnik, F., Sylwester, B., & Sylwester, J., "Organisation of a unified system of energetic calibration of X-ray experiments", 1984AdSpR...4g.121V ADS
- Bromboszcz, G., Siarkowski, M., Sylwester, J., et al., "Analysis of the High Resolution Mgx X-Ray Spectra - Part Four - Derivation of the Plasma Densities Close to the Low-Density Limit", 1983SoPh...83..243B ADS
- Jakimiec, J., Mewe, R., Schrijver, J., Sylwester, J., & Sylwester, B., "Time variation of the differential emission measure of hot flare plasma.", 1983PDH0...5..127J ADS
- Sylwester, B., Sylwester, J., Jakimiec, J., Mewe, R., & Bentley, R. D., "SMM flat crystal spectrometer data analysis of 7 April 1980 flare.", 1983PDH0...5..85S ADS
- Sylwester, B., Sylwester, J., Jakimiec, J., Valnicek, B., & Farnik, F., "Multi-temperature Analysis of Hard X-Ray Spectra Measured aboard the Prognoz 5 Satellite", 1983BAICz...34..40S ADS
- Staude, J., Hildebrandt, J., Furstenberg, F., et al., "A working model of sunspot structure in photosphere, chromosphere and corona, derived from X-ray, EUV, optical and radio observations", 1983AcA...33..441S ADS
- Siarkowski, M., Sylwester, J., Bromboszcz, G., et al., "Analysis of the High Resolution Mgx X-Ray Spectra - Part Three - Nonthermal Interpretation of Some Spectra", 1982SoPh...81..63S ADS
- Siarkowski, M., Sylwester, J., Bromboszcz, G., et al., "Analysis of the High Resolution Mg-Xi X-Ray Spectra - Part Two - Physical Parameters of the Plasma in Active Region MCMATH14352", 1982SoPh...77..183S ADS
- Schrijver, J., Mewe, R., Sylwester, J., Strong, K. T., & Bentley, R. D., "Transient Ionization Conditions in Solar Flares. Analysis of High-Resolution X-Ray Spectra.", 1982uxsa.col11Q...4S ADS
- Krutov, V. V., Korneev, V. V., Karev, U. I., et al., "Analysis of the High Resolution X-Ray Spectra Obtained Aboard the INTERCOSMOS-16 Satellite - Part One - Identification of the Lines in the 9.14-9.33A Spectral Region", 1981SoPh...73..105K ADS
- Sylwester, B., Jakimiec, J., Sylwester, J., & Valníček, B., "Analysis of the physical conditions in a strong X-ray flare.", 1981hea...conf..239S ADS
- Sylwester, B., Sylwester, J., Jakimiec, J., & Valnicek, B., "Analysis of the physical conditions in a strong X-ray flare", 1981AdSpR...1m.239S ADS
- Sylwester, B., Sylwester, J., Jakimiec, J., et al., "Analysis of X-ray spectra emitted by the 24 October 1970 flare.", 1980PoAst...28..237S ADS

- Strong, K. T., Sylwester, J., Parmar, A., Dennis, B., & Poland, A., “Changes in the Characteristics of the Coronal Plasma During Two Impulsive Flares”, 1980BAAS...12R.911S [ADS](#)
- Sylwester, J., Schrijver, J., & Mewe, R., “Multi-Temperature Analysis of Solar X-Ray Line Emission”, 1980SoPh...67..285S [ADS](#)
- Mewe, R., Schrijver, J., & Sylwester, J., “Heliumlike ion line intensities. IV - Z-dependence of collision strengths for  $N = 2 - N = 1$  transitions in helium- and hydrogenlike ions”, 1980A&A...87...55M [ADS](#)
- Bromboszcz, G., Siarkowski, M., & Sylwester, J., “Analysis of the high-resolution X-ray spectra of an active region”, 1980PoAst...28..147B [ADS](#)
- Sylwester, J., Mewe, R., & Schrijver, J., “Analysis of X-Ray Line Spectra from a Transient Plasma Under Solar Flare Conditions - Part Three - Diagnostics for Measuring Electron Temperature and Density”, 1980A&AS...40..335S [ADS](#)
- Mewe, R., Schrijver, J., & Sylwester, J., “Analysis of X-ray line spectra from a transient plasma under solar flare conditions. II - Rate coefficients. III - Diagnostics for measuring electron temperature and density”, 1980A&AS...40..323M [ADS](#)
- Korneev, V. V., Krutov, V. V., Mandelshtam, S. L., et al., “Solar flare X-ray spectra. I: Wavelengths of Fe XXIV - XXV lines in the region  $\lambda = 1.85 - 1.87 \text{ \AA}$ .”, 1979SoPh...63..319K [ADS](#)
- Aglizki, E. V., Boiko, V. A., Faenov, A. Y., et al., “New satellite structure of the solar and laser plasma spectra in vicinity of the  $L\alpha$  (mg xii) line”, 1978SoPh...56..375A [ADS](#)
- Sylwester, J. & Sylwester, B., “Discussion of the methods of determining the temperature models of coronal active regions from the X-ray spectra.”, 1977PDHO...3...75S [ADS](#)
- Sylwester, B., Zhitnik, I. A., Korneev, V. V., et al., “Time variations of high-temperature plasma in solar flares.”, 1977PDHO...3...65S [ADS](#)
- Jakimiec, J., Zhitnik, I. A., Korneev, V. V., et al., “Analysis of behaviour of the Mg XII resonance line in solar flares, from INTERCOSMOS-7 satellite observations.”, 1977PDHO...3...57J [ADS](#)
- Sylwester, J., “Influence of flux measurement errors in X-ray lines on the accuracy of determination of temperature models of coronal active regions.”, 1976viao.conf...24S [ADS](#)
- Jakimiec, J., Sylwester, B., & Sylwester, J., “Observations of a soft X-ray flare on the solar limb.”, 1976viao.conf...20J [ADS](#)
- Bejgman, I. L., Vajnshtejn, L. A., Korneev, V. V., et al., “Physical conditions in a flare region.”, 1976viao.conf...16B [ADS](#)
- Jakimiec, J., Krutov, V. V., Mandel’ Shtam, S. L., et al., “X-ray spectrum of a coronal condensation and a flare.”, in Solar Activity and Solar-Terrestrial Relations, 151–153 1976str..book..151J [ADS](#)
- Sylwester, J., “Analysis of X radiation of coronal condensations observed with broad-band filters.”, in Solar Activity and Solar-Terrestrial Relations, 139–142 1976str..book..139S [ADS](#)
- Jakimiec, J., Krutov, V. V., Mandelshtam, S. L., et al., “X-ray spectrum of a coronal condensation and a flare”, 1976CoSka...6..151J [ADS](#)
- Jakimiec, J., Korneev, V. V., Krutov, V. V., et al., “Analysis of the intensities and profiles of the spectral line Mg XII 8.42  $\text{\AA}$  in the solar X-ray spectrum”, 1975SoPh...44..391J [ADS](#)
- Jakimiec, J., Krutov, V. V., Mandel’ Stam, S. L., et al., “Analysis of the solar X-ray spectrum of 20 August 1971.”, 1974spre.conf..425J [ADS](#)
- Sylwester, J. A., “Analysis of Broad-Band Observations of the X-ray Radiation from a Coronal Condensation”, 1974AcA...24..299S [ADS](#)
- Kordylewski, Z., Mergentaler, J., Jakimiec, J., Sylwester, B., & Sylwester, J., “Observations of the X-ray emission of solar active regions on 28 November 1970 and 20 August 1971.”, 1973spre.conf..787K [ADS](#)