

Bibliography from ADS file: kowalski.bib
September 14, 2022

- Lin, H., Anan, T., Cauzzi, G., et al., “Development of Integral Field Spectrographs to Revolutionize Spectroscopic Observations of Solar Flares and other Energetic Solar Eruptions”, 2022arXiv220900788L ADS
- Monson, A., Milligan, R., Kowalski, A., & Mathioudakis, M., “Photospheric Spectral Line Velocity Diagnostics in Solar and Stellar Flares.”, 2022cosp...44.2449M ADS
- Jin, M., Nitta, N., Derosa, M., et al., “Coronal Dimming as a Proxy for Solar and Stellar Coronal Mass Ejections”, 2022cosp...44.1404J ADS
- Notsu, Y., Shibata, K., Enoto, T., et al., “Blue asymmetries in Balmer lines and possible mass ejections during mid M dwarf flares”, 2022cosp...44.1382N ADS
- Paudel, R., Barclay, T., Schlieder, J., et al., “Simultaneous Multi-wavelength Study of Flares on nearby active star Wolf 359”, 2022BAAS...54e.396P ADS
- Kowalski, A. F., Allred, J. C., Carlsson, M., et al., “The Atmospheric Response to High Nonthermal Electron-beam Fluxes in Solar Flares. II. Hydrogen-broadening Predictions for Solar Flare Observations with the Daniel K. Inouye Solar Telescope”, 2022ApJ...928..190K ADS
- Kanodia, S., Ramsey, L. W., Maney, M., et al., “High-resolution Near-infrared Spectroscopy of a Flare around the Ultracool Dwarf $vB\ 10$ ”, 2022ApJ...925..155K ADS
- France, K., Fleming, B., Youngblood, A., et al., “Extreme-ultraviolet Stellar Characterization for Atmospheric Physics and Evolution mission: motivation and overview”, 2022JATIS...8a4006F ADS
- Burnham, E., Criscuolo, S., Kowalski, A., Harder, J., & Meisner, R., “Spectral Runway: An Analysis of Solar Balmer Lines through both Observations and Models”, 2021AGUFM5B2367B ADS
- Tamburri, C., Kazachenko, M., & Kowalski, A., “Statistical Analysis of Impulsiveness and Rise Phase Duration of Solar Flares in the He II 304 Angstrom Chromospheric Line”, 2021AGUFM5E2126T ADS
- Kerr, G., Allred, J., Milligan, R., Kowalski, A., & Hudson, H., “Revisiting the Orrall-Zirker Effect: Identifying the suprathermal proton distribution during solar flares from Lyman line emission”, 2021AGUFM5H23B..04K ADS
- Notsu, Y., Kowalski, A., Maehara, H., et al., “Recent observations of stellar flares on G-, K-, and M-dwarf stars and possible mass ejections”, 2021AGUFM.U43B..01N ADS
- Krishnamurthy, V., Hirano, T., Stefánsson, G., et al., “VizieR Online Data Catalog: IRD and HPF spectra of TRAPPIST-1b,e and f (Krishnamurthy+, 2021)”, 2021yCat...51620082K ADS
- Vissapragada, S., Stefánsson, G., Greklek-McKeon, M., et al., “A Search for Planetary Metastable Helium Absorption in the V1298 Tau System”, 2021AJ...162..222V ADS
- Molnar, M. E., Reardon, K. P., Cranmer, S. R., et al., “High-frequency Wave Power Observed in the Solar Chromosphere with IBIS and ALMA”, 2021ApJ...920..125M ADS
- Krishnamurthy, V., Hirano, T., Stefánsson, G., et al., “Nondetection of Helium in the Upper Atmospheres of TRAPPIST-1b, e, and f”, 2021AJ...162..82K ADS
- France, K., Fleming, B., Youngblood, A., et al., “The ESCAPE mission overview: exploring the stellar drivers of exoplanet habitability”, 2021SPIE11821E..03F ADS
- Notsu, Y., Kowalski, A. F., Maehara, H., et al., “Blue asymmetries in Balmer lines during mid M dwarf flares”, 2021tsc2.confE.118N ADS
- Maehara, H., Notsu, Y., Namekata, K., et al., “Time-resolved spectroscopy and photometry of an M dwarf flare star YZ Canis Minoris with OISTER and TESS: Blue asymmetry in H-alpha line during the non-white light flare”, 2021tsc2.confE..16M ADS
- Brasseur, C., Osten, R., Tristan, I., & Kowalski, A., “A Multiwavelength Exploration Of Galax And Kepler Flares”, 2021AAS...23820802B ADS
- Tamburri, C., Kazachenko, M., & Kowalski, A., “Impulsiveness Classification Scheme for Solar Flare Light Curves in the He II 304 Å Chromospheric Line”, 2021AAS...23812714T ADS
- Molnar, M. E., Cranmer, S. R., Reardon, K. P., & Kowalski, A. F., “Spectroscopic Study Of Wave Propagation In The Quiet Solar Chromosphere with IRIS and IBIS”, 2021AAS...23811303M ADS
- De Pontieu, B., Polito, V., Hansteen, V., et al., “A New View of the Solar Interface Region from the Interface Region Imaging Spectrograph (IRIS)”, 2021SoPh..296...84D ADS
- Duvvuri, G. M., Sebastian Pineda, J., Berta-Thompson, Z. K., et al., “Reconstructing the Extreme Ultraviolet Emission of Cool Dwarfs Using Differential Emission Measure Polynomials”, 2021ApJ...913...40D ADS
- Rast, M. P., Bello González, N., Bellot Rubio, L., et al., “Critical Science Plan for the Daniel K. Inouye Solar Telescope (DKIST)”, 2021SoPh..296...70R ADS
- Namekata, K., Maehara, H., Sasaki, R., et al., “Erratum: Optical and X-ray observations of stellar flares on an active M dwarf AD Leonis with Seimei Telescope, SCAT, NICER, and OISTER”, 2021PASJ...73..485N ADS
- MacGregor, M. A., Weinberger, A. J., Loyd, R. O. P., et al., “Discovery of an Extremely Short Duration Flare from Proxima Centauri Using Millimeter through Far-ultraviolet Observations”, 2021ApJ...911L..25M ADS
- Wilson, D. J., Froning, C. S., Duvvuri, G. M., et al., “The Mega-MUSCLES Spectral Energy Distribution of TRAPPIST-1”, 2021ApJ...911...18W ADS
- Maehara, H., Notsu, Y., Namekata, K., et al., “Time-resolved spectroscopy and photometry of an M dwarf flare star YZ Canis Minoris with OISTER and TESS: Blue asymmetry in H α line during the non-white light flare”, 2021csss.confE.142M ADS
- Tristan, I. I., Notsu, Y., Kowalski, A. F., et al., “Redefining the Neupert Effect in M Dwarfs through Multi-Wavelength Timing Analysis of AU Mic’s Flares”, 2021csss.confE.123T ADS
- Notsu, Y., Kowalski, A. F., Maehara, H., et al., “Blue asymmetries in Balmer lines during mid M dwarf flares”, 2021csss.confE.103N ADS
- MacGregor, M., Weinberger, A., Loyd, P., et al., “Discovery of an Extremely Short Duration ‘Building Block’ Flare from Proxima Centauri”, 2021BAAS...53c1249M ADS
- Maehara, H., Notsu, Y., Namekata, K., et al., “Time-resolved spectroscopy and photometry of M dwarf flare star YZ Canis Minoris with OISTER and TESS: Blue asymmetry in the H α line during the non-white light flare”, 2021PASJ...73...44M ADS
- Notsu, Y., Shibata, K., Enoto, T., et al., “Superflares investigated with Kepler&TESS photometric data and recent multi-wavelength campaign observations”, 2021cosp...43E1750N ADS
- Tristan, I. I., Notsu, Y., Kowalski, A. F., et al., “Out of Sync: Redefining the Neupert Effect in M Dwarfs through Multi-Wavelength Timing Analysis of AU Mic’s Flares”, 2021AAS...23755002T ADS
- MacGregor, M. A., Weinberger, A. J., Loyd, P., et al., “Discovery of an Extremely Short Duration ‘Building Block’ Flare from Proxima Cen Using Millimeter through FUV Observations”, 2021AAS...23751502M ADS
- Notsu, Y., Kowalski, A., Maehara, H., et al., “Blue asymmetries in Balmer lines during mid M dwarf flares”, 2021AAS...23751501N ADS
- Kowalski, A. F., Keys, P., & Mathioudakis, M., “High-Cadence DST/ROSA Observations of the NUV/Blue Continuum Radiation in a Solar Flare”, 2020AGUFM5H0500011K ADS
- Allred, J. C., Alaoui, M., Kowalski, A. F., & Kerr, G. S., “FP: A Fokker-Planck solver for modeling the transport of flare-accelerated particles”, 2020AGUFM5H0500010A ADS
- Molnar, M., Reardon, K., Cranmer, S. R., & Kowalski, A. F., “Constraining wave propagation throughout the solar atmosphere with IBIS, ALMA and IRIS”, 2020AGUFM5H0010003M ADS
- France, K., Duvvuri, G., Egan, H., et al., “The High-energy Radiation Environment around a 10 Gyr M Dwarf: Habitable at Last?”, 2020AJ...160..237F ADS
- Allred, J. C., Alaoui, M., Kowalski, A. F., & Kerr, G. S., “Modeling the Transport of Nonthermal Particles in Flares Using Fokker-Planck Kinetic Theory”, 2020ApJ...902...16A ADS
- Kerr, G. S., Alaoui, M., Allred, J. C., et al., “Solar Flare Energy Partitioning and Transport – the Gradual Phase (a Heliophysics 2050 White Paper)”, 2020arXiv200908407K ADS
- Kerr, G. S., Alaoui, M., Allred, J. C., et al., “Solar Flare Energy Partitioning and Transport – the Impulsive Phase (a Heliophysics 2050 White Paper)”, 2020arXiv200908400K ADS
- Molnar, M. E., Cranmer, S., Reardon, K., & Kowalski, A., “High-frequency Wave Power Observed in the Chromosphere with IBIS and ALMA”, 2020SPD...5120106M ADS
- Namekata, K., Maehara, H., Sasaki, R., et al., “Optical and X-ray observations of stellar flares on an active M dwarf AD Leonis with the Seimei Telescope, SCAT, NICER, and OISTER”, 2020PASJ...72...68N ADS
- Beltzer-Sweeney, A. K., Butler, E., Kowalski, A., & Cauzzi, G., “Measuring Decay Timescales of Downflows in Solar Flare Footpoints: Testing the One-minute Theory (Abstract)”, 2020JAVSO..48R.107B ADS
- Kuridze, D., Mathioudakis, M., Heinzel, P., et al., “Spectral Characteristics and Formation Height of Off-limb Flare Ribbons”, 2020ApJ...896..120K ADS
- Wisniewski, J. P., Arnold, J., Boccaletti, A., et al.: 2020, Diagnosing a New Species of Dusty Debris: the Chameleón Debris Disk, HST Proposal. Cycle 28, ID. #16263 2020hst.prop16263W ADS
- Herczeg, G. J., Espaillat, C., Abraham, P., et al.: 2020, Outflows and Disks around Young Stars: Synergies for the Exploration of Ullyses Spectra (ODYSSSEUS), HST Proposal. Cycle 28, ID. #16129 2020hst.prop16129H ADS
- Graham, D. R., Cauzzi, G., Zangrilli, L., et al., “Spectral Signatures of Chromospheric Condensation in a Major Solar Flare”, 2020ApJ...895...6G ADS

- Jin, M., Cheung, M. C. M., DeRosa, M. L., et al., “Coronal dimming as a proxy for stellar coronal mass ejections”, 2020IAUS...354...426J ADS
- Notsu, Y., Kowalski, A., Maehara, H., et al., “Blue asymmetries of Balmer lines during M-dwarf flares investigated with multi-wavelength observations”, 2020AAS...23528805N ADS
- Kowalski, A. F., “Neutron Production in M dwarf Flares”, 2020AAS...23517320K ADS
- Beltzer-Sweeney, A. K., Butler, E., Kowalski, A. F., & Cauzzi, G., “Measuring Decay Timescales of Downflows in Solar Flare Footpoints: Testing the 1-minute Theory”, 2019AGUFMSH13D3423B ADS
- Ray, P., Arzoumanian, Z., Ballantyne, D., et al., “STROBE-X: X-ray Timing and Spectroscopy on Dynamical Timescales from Microseconds to Years”, 2019BAAS...51g.231R ADS
- Wisniewski, J. P., Kowalski, A. F., Davenport, J. R. A., et al., “High-fidelity Imaging of the Inner AU Mic Debris Disk: Evidence of Differential Wind Sculpting?”, 2019ApJ...883L...8W ADS
- Lawson, K. D., Wisniewski, J. P., Bellm, E. C., Kowalski, A. F., & Shupe, D. L., “Identification of Stellar Flares Using Differential Evolution Template Optimization”, 2019AJ...158...119L ADS
- Wilson, D. J., Froning, C., France, K., et al., “Measurements of the Ultraviolet Spectral Characteristics of Low-mass Exoplanetary Systems (Mega-MUSCLES)”, 2019ESS...431906W ADS
- Zhu, Y., Kowalski, A. F., Tian, H., et al., “Modeling Mg II h, k and Triplet Lines at Solar Flare Ribbons”, 2019ApJ...879...19Z ADS
- Kowalski, A. F., Butler, E., Daw, A. N., et al., “Spectral Evidence for Heating at Large Column Mass in Umbral Solar Flare Kernels. I. IRIS Near-UV Spectra of the X1 Solar Flare of 2014 October 25”, 2019ApJ...878...135K ADS
- Christe, S., Shih, A. Y., Krucker, S., et al., “The Focusing Optics X-ray Solar Imager (FOXSI)”, 2019AAS...23422501C ADS
- Cauzzi, G., Graham, D., Zangrilli, L., & Kowalski, A., “High Resolution Observations of Chromospheric Condensation”, 2019shin.confE.180C ADS
- Youngblood, A., France, K., Koskinen, T., et al., “EUV influences on exoplanet atmospheric stability and evolution”, 2019BAAS...51c.320Y ADS
- Youngblood, A., Drake, J., Mason, J., et al., “EUV observations of cool dwarf stars”, 2019BAAS...51c.300Y ADS
- Kowalski, A., Schrijver, K., Pillet, V., & Crisculi, S., “Developing a vision for exoplanetary transit spectroscopy: a shared window on the analysis of planetary atmospheres and of stellar magnetic structure”, 2019BAAS...51c.149K ADS
- Ray, P. S., Arzoumanian, Z., Ballantyne, D., et al., “STROBE-X: X-ray Timing and Spectroscopy on Dynamical Timescales from Microseconds to Years”, 2019arXiv190303035R ADS
- Froning, C. S., Kowalski, A., France, K., et al., “A Hot Ultraviolet Flare on the M Dwarf Star GJ 674”, 2019ApJ...871L...26F ADS
- Kowalski, A. F., Wisniewski, J. P., Hawley, S. L., et al., “The Near-ultraviolet Continuum Radiation in the Impulsive Phase of HF/GF-type dMe Flares. I. Data”, 2019ApJ...871...167K ADS
- Froning, C. S., Kowalski, A., France, K., et al., “A Hot Ultraviolet Flare on the M Dwarf Star GJ 674”, 2019arXiv190108647F ADS
- Kowalski, A. F., Allred, J., Axelson, R., et al., “A 7-Day, Multiwavelength Flare Monitoring Campaign on AU Mic”, 2019AAS...23336014K ADS
- Froning, C. S., Kowalski, A., France, K., et al., “Ultraviolet Properties of a Large Flare on GJ 674”, 2019AAS...23311401F ADS
- Kowalski, A. F., Mathioudakis, M., & Hawley, S. L., “The Evolution of $T = 10,000$ K Blackbody-Like Continuum Radiation in the Impulsive Phase of dMe Flares”, 2018csss.confE.42K ADS
- Brown, S. A., Fletcher, L., Kerr, G. S., et al., “Modeling of the Hydrogen Lyman Lines in Solar Flares”, 2018ApJ...862...59B ADS
- Kowalski, A., “A Phenomenological Two-Ribbon Model for Spatially Unresolved Observations of Stellar Flares”, 2018AAS...23231702K ADS
- Butler, E., Kowalski, A., Cauzzi, G., Allred, J. C., & Daw, A. N., “IRIS Ultraviolet Spectral Properties of a Sample of X-Class Solar Flares”, 2018AAS...23212101B ADS
- Christe, S., Shih, A. Y., Krucker, S., et al., “The Focusing Optics X-ray Solar Imager (FOXSI)”, 2018tess.conf40444C ADS
- Kerr, G. S., de Aguiar Simoes, P. J., Fletcher, L., Allred, J. C., & Kowalski, A. F., “The Origin of White Light Flares: A parameter study of standard model solar flare RHD Simulations”, 2018tess.conf30490K ADS
- Osten, R. A., Crosley, M. K., Gudel, M., et al., “The ngVLA’s Role in Exoplanet Science: Constraining Exo-Space Weather”, 2018arXiv1803053450 ADS
- MacGregor, M. A., Weinberger, A. J., Wilner, D. J., Kowalski, A. F., & Cranmer, S. R., “Detection of a Millimeter Flare from Proxima Centauri”, 2018ApJ...855L...2M ADS
- Youngblood, A., France, K., Loyd, R. O. P., et al., “VizieR Online Data Catalog: MUSCLES Treasury Survey. IV. M dwarf UV fluxes (Youngblood+, 2017)”, 2018yCat...18430031Y ADS
- Kowalski, A. F. & Allred, J. C., “Parameterizations of Chromospheric Condensations in dG and dMe Model Flare Atmospheres”, 2018ApJ...852...61K ADS
- Froning, C. S., France, K., Loyd, R. O. P., et al., “The Mega-MUSCLES HST Treasury Survey”, 2018AAS...23111105F ADS
- Christe, S., Shih, A. Y., Krucker, S., et al., “The Focusing Optics X-ray Solar Imager (FOXSI) SMEX Mission”, 2017AGUFMSH44A...07C ADS
- Shih, A. Y., Christe, S., Krucker, S., et al., “Anticipated Results from the FOXSI SMEX Mission”, 2017AGUFMSH43C...03S ADS
- Kowalski, A.: 2017, A Unified Understanding of Flare Heating, XMM-Newton Proposal ID #82274 2017xmm.prop...101K ADS
- Berdugina, S. V., Harrington, D. M., Kuzmychov, O., et al., “First Detection of a Strong Magnetic Field on a Bursty Brown Dwarf: Puzzle Solved”, 2017ApJ...847...61B ADS
- Kerr, G. S., Allred, J. C., Leenaarts, J., Butler, E., & Kowalski, A., “Simulating the Mg II NUV Spectra & C II Resonance Lines During Solar Flares”, 2017SPD...48.0102K ADS
- Youngblood, A., France, K., Loyd, R. O. P., et al., “The MUSCLES Treasury Survey. IV. Scaling Relations for Ultraviolet, Ca II K, and Energetic Particle Fluxes from M Dwarfs”, 2017ApJ...843...31Y ADS
- Osten, R. & Kowalski, A., “Radio Optical Multiwavelength Stellar Flares and Constraints on the Electron Population from a Joint Analysis”, 2017reph.conf400020 ADS
- Kowalski, A. F., Allred, J. C., Uitenbroek, H., et al., “Hydrogen Balmer Line Broadening in Solar and Stellar Flares”, 2017ApJ...837...125K ADS
- Procházka, O., Milligan, R. O., Allred, J. C., et al., “Suppression of Hydrogen Emission in an X-class White-light Solar Flare”, 2017ApJ...837...46P ADS
- Kowalski, A. F., Allred, J. C., Daw, A., Cauzzi, G., & Carlsson, M., “The Atmospheric Response to High Nonthermal Electron Beam Fluxes in Solar Flares. I. Modeling the Brightest NUV Footpoints in the X1 Solar Flare of 2014 March 29”, 2017ApJ...836...12K ADS
- Reid, A., Mathioudakis, M., Kowalski, A., Doyle, J. G., & Allred, J. C., “Solar Ellerman Bombs in 1D Radiative Hydrodynamics”, 2017ApJ...835L...37R ADS
- Christe, S., Krucker, S., Glesener, L., et al., “Exploring impulsive solar magnetic energy release and particle acceleration with focused hard X-ray imaging spectroscopy”, 2017arXiv170100792C ADS
- Kowalski, A., Allred, J. C., Daw, A. N., et al., “A Chromospheric Flare Model Consisting of Two Dynamical Layers: Critical Tests from IRIS Data of Solar Flares”, 2017AAS...22933902K ADS
- Osten, R. A., Kowalski, A., Drake, S. A., et al., “A Very Bright, Very Hot, and Very Long Flaring Event from the M Dwarf Binary System DG CVn”, 2016ApJ...832...1740 ADS
- Kuridze, D., Mathioudakis, M., Christian, D. J., et al., “Observations and Simulations of the Na I D₁ Line Profiles in an M-class Solar Flare”, 2016ApJ...832...147K ADS
- Allred, J. C. & Kowalski, A. F., “Investigating the Effects of Stark Broadening in the Balmer Lines Observed in Solar Flares”, 2016AGUFMSH43E...04A ADS
- Milligan, R. O., Procházka, O., Mathioudakis, M., Allred, J. C., & Kowalski, A. F., “Suppression of Hydrogen Emission in a White-light Solar Flare”, 2016AGUFMSH31B2561P ADS
- Christe, S., Shih, A. Y., Krucker, S., et al., “The Focusing Optics X-ray Solar Imager (FOXSI) SMEX Mission”, 2016AGUFMSH13A2281C ADS
- Silverberg, S. M., Kowalski, A. F., Davenport, J. R. A., et al., “Kepler Flares. IV. A Comprehensive Analysis of the Activity of the dM4e Star GJ 1243”, 2016ApJ...829...129S ADS
- Harra, L. K., Schrijver, C. J., Janvier, M., et al., “The Characteristics of Solar X-Class Flares and CMEs: A Paradigm for Stellar Superflares and Eruptions?”, 2016SoPh...291.1761H ADS
- Kowalski, A. F., “Advances In Understanding Solar And Stellar Flares”, 2016csss.confE.127K ADS
- Kowalski, A., Hawley, S., Davenport, J., et al., “Flares In Time-Domain Surveys”, 2016csss.confE.126K ADS
- Feroci, M., Bozzo, E., Brandt, S., et al., “The LOFT mission concept: a status update”, 2016SPIE.9905E...1RF ADS
- Fabiańska, M. J., Ciesielczuk, J., Misz-Kennan, M., Kruszczyński, Ł., & Kowalski, A., “Preservation of coal-waste geochemical markers in vegetation and soil on self-heating coal-waste dumps in Silesia, Poland”, 2016ChEG...76...211F ADS
- Cauzzi, G., Graham, D., Kowalski, A., et al., “Spectral analysis and modeling of solar flares chromospheric condensation”, 2016SPD...47.0609C ADS
- Daw, A. N., Kowalski, A., Allred, J. C., & Cauzzi, G., “FUV Continuum in Flare Kernels Observed by IRIS”, 2016SPD...47.0604D ADS
- Kowalski, A. F., Mathioudakis, M., Hawley, S. L., et al., “M Dwarf Flare Continuum Variations on One-second Timescales: Calibrating and Modeling of ULTRACAM Flare Color Indices”, 2016ApJ...820...95K ADS

- France, K., Loyd, R. O. P., Youngblood, A., et al., “*The MUSCLES Treasury Survey. I. Motivation and Overview*”, 2016ApJ...820...89F ADS
- Kowalski, A. F., “*White-light continuum in stellar flares*”, 2016IAUS...320...259K ADS
- Osten, R. A., Drake, S. A., Kowalski, A., et al., “*A Very Bright, Very Hot, and Very Long Flaring Event from the Young Nearby M Dwarf Binary DG CVn*”, 2016AAS...227145170 ADS
- Kowalski, A. F., Hawley, S. L., Carlsson, M., et al., “*New Insights into White-Light Flare Emission from Radiative-Hydrodynamic Modeling of a Chromospheric Condensation*”, 2015SoPh...290.3487K ADS
- Kuridze, D., Mathioudakis, M., Simões, P. J. A., et al., “*H α Line Profile Asymmetries and the Chromospheric Flare Velocity Field*”, 2015ApJ...813...125K ADS
- Kowalski, A. F., “*White-light continuum in solar and stellar flares*”, 2015IAUGA...2257997K ADS
- Hawley, S., Davenport, J. R. A., Hebb, L., Kowalski, A. F., & Wisniewski, J., “*Properties of Flares on GKM Stars in Kepler*”, 2015IAUGA...2253855H ADS
- Allred, J. C., Kowalski, A. F., & Carlsson, M., “*A Unified Computational Model for Solar and Stellar Flares*”, 2015ApJ...809...104A ADS
- Allred, J., Kowalski, A., & Carlsson, M., “*A Unified Computational Model for Solar and Stellar Flares*”, 2015TESS...130207A ADS
- Kowalski, A. F. & Hawley, S. L., “*State-of-the-Art Observations and Modeling of Stellar Flares*”, 2015HiA...16...99K ADS
- Lurie, J. C., Davenport, J. R. A., Hawley, S. L., et al., “*Kepler Flares III: Stellar Activity on GJ 1245A and B*”, 2015ApJ...800...95L ADS
- Brown, A., Neff, J. E., Ayres, T. R., et al., “*Serendipitous Discovery of a Dwarf Nova in the Kepler Field Near the G Dwarf KIC 5438845*”, 2015AJ...149...67B ADS
- Gunther, H. M., Poppenhaeger, K., Testa, P., et al., “*Upgrading the Solar-Stellar Connection: News about activity in Cool Stars*”, 2015csss...18...25G ADS
- Drake, S. A., Behar, E., Doyle, J. G., et al., “*Stellar flares observed by LOFT: implications for the physics of coronae and for the “space weather” environment of extrasolar planets*”, 2015arXiv150102771D ADS
- Kowalski, A. F., Cauzzi, G., & Fletcher, L., “*Optical Spectral Observations of a Flickering White-light Kernel in a C1 Solar Flare*”, 2015ApJ...798...107K ADS
- Loebman, S. R., Wisniewski, J. P., Schmidt, S. J., et al., “*The Continued Optical to Mid-Infrared Evolution of V838 Monocerotis*”, 2015AJ...149...17L ADS
- Kowalski, A. F., Hawley, S. L., Johns-Krull, C. M., et al., “*Time-Resolved Near-Ultraviolet Flare Spectra with the Hubble Space Telescope / Cosmic Origins Spectrograph*”, 2015AAS...22544903K ADS
- Davenport, J. R. A., Hawley, S. L., Hebb, L., et al., “*Kepler Flares. II. The Temporal Morphology of White-light Flares on GJ 1243*”, 2014ApJ...797...122D ADS
- Hawley, S. L., Davenport, J. R. A., Kowalski, A. F., et al., “*Kepler Flares. I. Active and Inactive M Dwarfs*”, 2014ApJ...797...121H ADS
- Daw, A. N., Kowalski, A. F., Wuelsel, J. P., et al., “*Continuum Emission from a Microflare Kernel Observed by IRIS*”, 2014AGUFMSH51C4166D ADS
- Kowalski, A.: 2014, *Characterizing NUV Flare Radiation from M Dwarfs*, Keck Observatory Archive LRIS, id.N003LA 2014koa...prop...432K ADS
- Drake, S. A., Osten, R. A., Page, K. L., et al., “*Very Bright, Very Hot and Very Long: Swift Observations of the DG CVn “Superflare” of April 23rd, 2014*”, 2014HEAD...1440406D ADS
- Kowalski, A., “*Hot-Wiring Flare Stars: Optical Flare Rates and Properties from Time-Domain Surveys*”, 2014htu...conf...15K ADS
- Kowalski, A., Allred, J. C., Carlsson, M., et al., “*The Atmospheric Response to High Fluxes of Nonthermal Electrons during M Dwarf Flares*”, 2014AAS...22315117K ADS
- Kowalski, A.: 2013, *Taking the Temperature of Explosive Stellar Flares*, HST Proposal ID 13323. Cycle 21 2013hst...prop13323K ADS
- Anfinogentov, S., Nakariakov, V. M., Mathioudakis, M., Van Doorselaere, T., & Kowalski, A. F., “*The Decaying Long-period Oscillation of a Stellar Megafare*”, 2013ApJ...773...156A ADS
- Fletcher, L., Kowalski, A., Cauzzi, G., Hawley, S. L., & Hudson, H. S., “*The properties of flare kernels observed by the Dunn Solar Telescope*”, 2013SPD...44...67F ADS
- Kowalski, A. F., Hawley, S. L., Wisniewski, J. P., et al., “*Time-resolved Properties and Global Trends in dMe Flares from Simultaneous Photometry and Spectra*”, 2013ApJS...207...15K ADS
- Kowalski, A. F., Hawley, S. L., Wisniewski, J. P., et al., “*VizieR Online Data Catalog: M dwarf flare spectra (Kowalski+, 2013)*”, 2013yCat...22070015K ADS
- Kuridze, D., Mathioudakis, M., Kowalski, A. F., et al., “*Failed filament eruption inside a coronal mass ejection in active region 11121*”, 2013A&A...552A...55K ADS
- Brown, A., Walkowicz, L., Saar, S., et al.: 2013, *MMT Hectochelle Spectral Variability of Active Late-type Stars in the Kepler Field (2013A)*, NOAO Proposal ID 2013A-0286 2013noao.prop...286B ADS
- Poppenhaeger, K., Günther, H. M., Beiersdorfer, P., et al., “*Non-thermal processes in coronae and beyond*”, 2013AN...334...101P ADS
- Kowalski, A. F.: 2013, “*Time-resolved properties and global trends in dMe flares from simultaneous photometry and spectra*”, Ph.D. thesis, University of Washington, Seattle 2013PhDT...670K ADS
- Wells, M., Neff, J. E., Brown, A., et al., “*A Large Sample of Magnetically-Active Stars Observed With Kepler*”, 2013AAS...22135415W ADS
- Brown, A., Neff, J. E., Wells, M., et al., “*Young Star Populations in the Kepler Field*”, 2013AAS...22135414B ADS
- Osten, R. A., Kowalski, A., Sahu, K., & Hawley, S. L., “*DRAFTS: A Deep, Rapid Archival Flare Transient Search in the Galactic Bulge*”, 2012ApJ...754...40 ADS
- Hunt-Walker, N. M., Hilton, E. J., Kowalski, A. F., Hawley, S. L., & Matthews, J. M., “*MOST Observations of the Flare Star AD Leo*”, 2012PASP...124...545H ADS
- Milligan, R. O., Chamberlin, P., Hudson, H., et al., “*Solar Flare Observations of the EUV Continuum*”, 2012AAS...22052105M ADS
- Brown, B., Kowalski, A. F., Mathioudakis, M., et al., “*Time-resolved NUV And Optical Spectra Of A Stellar Megafare On YZ CMi With SALT/RSS*”, 2012AAS...22020452B ADS
- Kowalski, A. F., Deitrick, R. J., Brown, A., et al., “*Using Kepler Data to Characterize the Flare Properties of GK Stars*”, 2012decs.confE.120K ADS
- Kowalski, A. F., Hawley, S. L., Holtzman, J. A., Wisniewski, J. P., & Hilton, E. J., “*The Multiple Continuum Components in the White-Light Flare of 16 January 2009 on the dM4.5e Star YZ CMi*”, 2012SoPh...277...21K ADS
- Milligan, R. O., Chamberlin, P. C., Hudson, H. S., et al., “*Observations of Enhanced Extreme Ultraviolet Continua during an X-Class Solar Flare Using SDO/EVE*”, 2012ApJ...748L...14M ADS
- Davenport, J. R. A., Becker, A. C., Kowalski, A. F., et al., “*Multi-wavelength Characterization of Stellar Flares on Low-mass Stars Using SDSS and 2MASS Time-domain Surveys*”, 2012ApJ...748...58D ADS
- Brown, A., Walkowicz, L., Hawley, S., et al.: 2012, *MMT Hectochelle Spectral Variability of Active Late-type Stars in the Kepler Field (2012A)*, NOAO Proposal ID 2012A-0332 2012noao.prop...332B ADS
- Kowalski, A. F.: 2012, “*Time-Resolved Properties and Global Trends in dMe Flares from Simultaneous Photometry and Spectra*”, Ph.D. thesis, University of Washington, Seattle 2012PhDT...179K ADS
- Schmidt, S. J., Kowalski, A. F., Hawley, S. L., et al., “*Probing the Flare Atmospheres of M Dwarfs Using Infrared Emission Lines*”, 2012ApJ...745...14S ADS
- Tofflemire, B. M., Wisniewski, J. P., Kowalski, A. F., et al., “*The Implications of M Dwarf Flares on the Detection and Characterization of Exoplanets at Infrared Wavelengths*”, 2012AJ...143...12T ADS
- Kowalski, A. & Hawley, S. L., “*White-Light Continuum Emission in M Dwarf Flares*”, 2012AAS...21910403K ADS
- West, A. A., Morgan, D. P., Bochanski, J. J., et al., “*The Sloan Digital Sky Survey Data Release 7 M Dwarf Spectroscopic Catalog*”, 2011ASPC...448.1407W ADS
- Tofflemire, B. M., Wisniewski, J. P., Hilton, E. J., et al., “*M Dwarf Flares: Exoplanet Detection Implications*”, 2011ASPC...448.1287T ADS
- Kowalski, A. F., Mathioudakis, M., Hawley, S. L., et al., “*White Light Flare Continuum Observations with ULTRACAM*”, 2011ASPC...448.1157K ADS
- Davenport, J. R. A., Becker, A. C., Hawley, S. L., et al., “*Mining Databases for M Dwarf Variability*”, 2011ASPC...448..983D ADS
- Fletcher, L., Hudson, H., Cauzzi, G., et al., “*Splinter Session “Solar and Stellar Flares”*”, 2011ASPC...448..441F ADS
- Hilton, E. J., Hawley, S. L., Kowalski, A. F., & Holtzman, J., “*The Galactic M Dwarf Flare Rate*”, 2011ASPC...448..197H ADS
- Kowalski, A. F., Hawley, S. L., Holtzman, J. A., Wisniewski, J. P., & Hilton, E. J., “*An “A star” on an M star during a flare within a flare*”, 2011IAUS...273...261K ADS
- Brown, A., Korhonen, H., Berdyugina, S., et al., “*Starspot variability and evolution from modeling Kepler photometry of active late-type stars*”, 2011IAUS...273...78B ADS
- Sánchez-Cañete, E. P., Serrano-Ortiz, P., Kowalski, A. S., Oyonarte, C., & Domingo, F., “*Subterranean CO₂ ventilation and its role in the net ecosystem carbon balance of a karstic shrubland*”, 2011GeoRL...38.9802S ADS
- Schmidt, S. J., Hilton, E. J., Tofflemire, B., et al., “*The First Detection of Time-Variable Infrared Line Emission During M Dwarf Flares*”, 2011AAS...21832604S ADS
- Davenport, J. R. A., Becker, A. C., Kowalski, A. F., Hawley, S. L., & Hilton, E. J., “*M Dwarf Photometric Variability In The Optical And NIR*”, 2011AAS...21832603D ADS
- Hilton, E. J., Hawley, S. L., Kowalski, A. F., et al., “*Light Curves, Energetics and Rates of M Dwarf Flares*”, 2011AAS...21832502H ADS

- Hawley, S. L., Kowalski, A. F., Wisniewski, J. P., et al., “High Cadence Kepler Observations of Flare Stars”, 2011AAS...21822705H [ADS](#)
- Neff, J. E., Brown, A., Hawley, S., et al., “Kepler Observations of Pulsations In A Sample of Magnetically-Active Stars”, 2011AAS...21822704N [ADS](#)
- Kowalski, A., Hawley, S. L., & Hudson, H. S., “UV Diagnostics of Stellar and Solar Flares”, 2011AAS...21821303K [ADS](#)
- Brown, A., Korhonen, H., Berdyugina, S., et al., “Kepler Observations of Starspot Evolution, Differential Rotation, and Flares on Late-Type Stars”, 2011AAS...21820502B [ADS](#)
- Becker, A. C., Bochanski, J. J., Hawley, S. L., et al., “Periodic Variability of Low-mass Stars in Sloan Digital Sky Survey Stripe 82”, 2011ApJ...731...17B [ADS](#)
- West, A. A., Morgan, D. P., Bochanski, J. J., et al., “The Sloan Digital Sky Survey Data Release 7 Spectroscopic M Dwarf Catalog. I. Data”, 2011AJ...141...97W [ADS](#)
- Wisniewski, J., Kowalski, A., Schmidt, S., et al.: 2011, *M Dwarf Flares: Exoplanet Implications*, NOAO Proposal ID 2011A-0106 2011noao.prop...106W [ADS](#)
- Kowalski, A., Osten, R. A., Sahu, K. C., & Hawley, S. L., “An Optical Flare Rate Census of Galactic Bulge Dwarf Stars”, 2011AAS...21734207K [ADS](#)
- Hilton, E. J., Hawley, S. L., & Kowalski, A. F., “Revealing Stellar Magnetic Fields Through M Dwarf Flares”, 2011AAS...21730702H [ADS](#)
- Hunt-Walker, N., Hilton, E., Kowalski, A., et al., “Making The Most Of Flaring M Dwarfs”, 2011AAS...21724224H [ADS](#)
- Davenport, J. R. A., Becker, A., Kowalski, A. F., Hilton, E. J., & Hawley, S. L., “Extending M Dwarf Variability Studies to Longer Wavelengths”, 2011AAS...21724213D [ADS](#)
- Fletcher, L., Turkmani, R., Hudson, H. S., et al., “Solar Flares and the Chromosphere”, 2010arXiv1011.4650F [ADS](#)
- Hilton, E. J., West, A. A., Hawley, S. L., & Kowalski, A. F., “M Dwarf Flares from Time-resolved Sloan Digital Sky Survey Spectra”, 2010AJ...140.1402H [ADS](#)
- Hudson, H. S., Fletcher, L., Turkmani, R., et al., “Solar Flares and the Chromosphere: A white paper for the Decadal Survey”, 2010helio2010...1H [ADS](#)
- Bond, N. A., Ivezić, Ž., Sesar, B., et al., “The Milky Way Tomography with SDSS. III. Stellar Kinematics”, 2010ApJ...716...1B [ADS](#)
- Kowalski, A. F., Hawley, S. L., Holtzman, J. A., Wisniewski, J. P., & Hilton, E. J., “A White Light Megaflare on the dM4.5e Star YZ CMi”, 2010ApJ...714L..98K [ADS](#)
- Wisniewski, J. P., Draper, Z. H., Bjorkman, K. S., et al., “Disk-Loss and Disk-Renewal Phases in Classical Be Stars. I. Analysis of Long-Term Spectropolarimetric Data”, 2010ApJ...709.1306W [ADS](#)
- Loebman, S., Wisniewski, J. P., Kowalski, A. F., et al., “The Continued Optical to Mid-IR Evolution of V838 Monocerotis”, 2010AAS...21543115L [ADS](#)
- Draper, Z. H., Wisniewski, J. P., Bjorkman, K. S., et al., “Mysterious Disturbances of Stellar “Frisbees””, 2010AAS...21542824D [ADS](#)
- Kowalski, A., Hawley, S. L., Holtzman, J. A., Wisniewski, J. P., & Hilton, E. J., “A White Light Megaflare on the dM4.5e Star YZ CMi”, 2010AAS...21542411K [ADS](#)
- Hilton, E. J., Hawley, S. L., West, A. A., & Kowalski, A. F., “Flares on M Dwarfs from a Time-Resolved SDSS Spectral Sample”, 2010AAS...21542410H [ADS](#)
- Tofflemire, B. M., Wisniewski, J. P., Kowalski, A. F., et al., “M Dwarf Flares: Exoplanet Implications”, 2010AAS...21542315T [ADS](#)
- LSST Science Collaboration, Abell, P. A., Allison, J., et al., “LSST Science Book, Version 2.0”, 2009arXiv0912.0201L [ADS](#)
- Wisniewski, J., Kowalski, A., Schmidt, S., Hawley, S., & Kundurthy, P.: 2009, *M Dwarf Flares: Exoplanet Implications*, NOAO Proposal ID 2009B-0280 2009noao.prop...280W [ADS](#)
- Kowalski, A. F., Hawley, S. L., Hilton, E. J., et al., “M Dwarfs in Sloan Digital Sky Survey Stripe 82: Photometric Light Curves and Flare Rate Analysis”, 2009AJ...138...633K [ADS](#)
- Munshi, F., Becker, A., Hawley, S. L., et al., “Short Period Variability Of An M-dwarf In SDSS Stripe-82”, 2009AAS...21443007M [ADS](#)
- Hesselbach, E., Bjorkman, K. S., Wisniewski, J. P., & Kowalski, A. F., “Contemporaneous Optical and IR Spectroscopy of Be Star Circumstellar Disks”, 2009AAS...21430104H [ADS](#)
- Hilton, E. J., Hawley, S., West, A. A., & Kowalski, A., “M Dwarf Flares from Time-Resolved SDSS Spectra”, 2009AIPC.1094..652H [ADS](#)
- Kowalski, A. F., Wisniewski, J. P., Clampin, M., et al., “Diagnosing the Structure of the HD 163296 Protoplanetary Disk via Coronagraphic Imaging Polarimetry”, 2009AIPC.1094..393K [ADS](#)
- Browning, M. K., Walkowicz, L. M., West, A. A., et al., “Understanding Activity in Low Mass Stars”, 2009astro2010S...30B [ADS](#)
- Hilton, E. J., Hawley, S., Ule, N., et al., “Flare Rates on M Dwarfs: Observing Program”, 2009AAS...21343416H [ADS](#)
- Kowalski, A., Hawley, S. L., Hilton, E. J., et al., “M Dwarf Flare Rate Analysis of SDSS Stripe 82”, 2009AAS...21343402K [ADS](#)
- Wisniewski, J. P., Clampin, M., Grady, C. A., et al., “Multi-Epoch Coronagraphic Imaging of Herbig Ae Circumstellar Disk Systems”, 2009AAS...21340906W [ADS](#)
- Parker, A., Ivezić, Ž., Jurić, M., et al., “The size distributions of asteroid families in the SDSS Moving Object Catalog 4”, 2008Icar...198...138P [ADS](#)
- Hawley, S. L., Hilton, E. J., Kowalski, A. F., Bochanski, J. J., & West, A. A., “Galactic M Dwarf Flare Rates”, 2007AAS...21110306H [ADS](#)
- Wisniewski, J. P., Kowalski, A. F., Clampin, M., et al., “First Science Results from the UKIRT UIST Coronagraphic Imaging Polarimeter”, 2007AAS...211.5010W [ADS](#)
- Wisniewski, J. P., Kowalski, A. F., Bjorkman, K. S., & Bjorkman, J. E., “Toward Mapping the Detailed Density Structure of Classical Be Circumstellar Disks”, 2007ASPC...361..524W [ADS](#)
- Wisniewski, J. P., Kowalski, A. F., Bjorkman, K. S., Bjorkman, J. E., & Carciofi, A. C., “Toward Mapping the Detailed Density Structure of Classical Be Circumstellar Disks”, 2007ApJ...656L..21W [ADS](#)
- Kowalski, A. F., Hilton, E. J., Becker, A. C., & Hawley, S. L., “Flare Rate Analysis of M-Dwarf Lightcurves”, 2006AAS...209.8907K [ADS](#)
- Wisniewski, J. P., Kowalski, A. F., Bjorkman, K. S., & Bjorkman, J. E., “Circumstellar Disks in the IR: Identification of New Systems and Evidence of Complex Density Structures”, 2005AAS...206.0803W [ADS](#)
- Kowalski, A. M., Martin, M. T., Nuñez, J., Plastino, A., & Proto, A. N., “Quantitative indicator for semiquantum chaos”, 1998PhRvA...58.2596K [ADS](#)