

Bibliography from ADS file: *bastian.bib*
September 14, 2022

- Alissandrakis, C., Bastian, T., & Brajša, R., "The quiet Sun at mm Wavelengths as Seen by ALMA", 2022arXiv220902569A [ADS](#)
- Bastian, T., Shimojo, M., Barta, M., White, S., & Iwai, K., "Solar Observing with the Atacama Large Millimeter-Submillimeter Array", 2022arXiv220901659B [ADS](#)
- Bastian, T. S., Cotton, W. D., & Hallinan, G., "Radio Emission from UV Cet: Auroral Emission from a Stellar Magnetosphere", 2022ApJ...935...99B [ADS](#)
- To, A. S. H., Baker, D., Long, D., et al., "Understanding the Correlation between Solar Coronal Abundances and F10.7 Radio Emission", 2022cosp...44.2592T [ADS](#)
- Alissandrakis, C. E., Bastian, T. S., & Nindos, A., "A first look at the submillimeter Sun with ALMA", 2022A&A...661L...4A [ADS](#)
- Jensen, P. E., C. S. P. E., Manchester, W., Fung, S., et al., "Novel Magnetic Field and Electron Density Measurements of CMEs (within AU) with the Proposed Multiview Observatory for Solar Terrestrial Science (MOST) Mission", 2021AGUFMSH33A..08J [ADS](#)
- Wexler, D., Jensen, E., Gopalswamy, N., et al., "FETCH Concept: Investigating Quiescent and Transient Magnetic Structures in the Inner Heliosphere using Faraday Rotation of Spacecraft Radio Signals", 2021AGUFMSH31A..05W [ADS](#)
- Gopalswamy, N., Kucera, T., Leake, J., et al., "The Multiview Observatory for Solar Terrestrial Science (MOST)", 2021AGUFMSH12A..07G [ADS](#)
- Nindos, A., Patsourakos, S., Alissandrakis, C. E., & Bastian, T. S., "ALMA observations of the variability of the quiet Sun at millimeter wavelengths", 2021A&A...652A..92N [ADS](#)
- Maud, L., Villard, E., Takahashi, S., et al., "Enhancing ALMA's Future Observing Capabilities", 2021Msngr.183...13M [ADS](#)
- Takahashi, S., Fomalont, E. B., Asaki, Y., et al., "The ObsMode 2020 Process", 2021arXiv210412681T [ADS](#)
- Gary, D. E. & Bastian, T. S., "Solar Radio Burst Effects on Radio- and Radar-Based Systems", 2021GMs...262..141G [ADS](#)
- Luo, Y., Chen, B., Yu, S., Bastian, T. S., & Krucker, S., "Radio Spectral Imaging of an M8.4 Eruptive Solar Flare: Possible Evidence of a Termination Shock", 2021ApJ...911...4L [ADS](#)
- Zhang, Y., Bastian, T. S., Liu, J. H., et al., "Multiwavelength Observations of the Formation and Eruption of a Complex Filament", 2021ApJ...910...40Z [ADS](#)
- Chintzoglou, G., De Pontieu, B., Martínez-Sykora, J., et al., "ALMA and IRIS Observations of the Solar Chromosphere. II. Structure and Dynamics of Chromospheric Plages", 2021ApJ...906...83C [ADS](#)
- Chintzoglou, G., De Pontieu, B., Martínez-Sykora, J., et al., "ALMA and IRIS Observations of the Solar Chromosphere. I. An On-disk Type II Spicule", 2021ApJ...906...82C [ADS](#)
- Suresh, A., Chatterjee, S., Cordes, J. M., Bastian, T. S., & Hallinan, G., "Detection of 2-4 GHz Continuum Emission from ?? Eridani", 2020ApJ...904..138S [ADS](#)
- Gary, D. E., Bastian, T., Chen, B., Saint-Hilaire, P., & White, S. M., "Next-Generation Solar Radio Imaging Spectroscopy", 2020AGUFMSH056..07G [ADS](#)
- Bastian, T., De Pontieu, B., Shimojo, M., et al., "Observations of Solar Spicules at Millimeter and Ultraviolet Wavelengths", 2020AGUFMSH004..08B [ADS](#)
- Chintzoglou, G., De Pontieu, B., Martínez-Sykora, J., et al., "ALMA and IRIS Observations Highlighting the Dynamics and Structure of Chromospheric Plage", 2020AGUFMSH0010009C [ADS](#)
- Luo, Y., Chen, B., Yu, S., & Bastian, T., "Radio Spectral Imaging of Another Likely Solar Flare Termination Shock Event", 2020SPD....5121118L [ADS](#)
- Alissandrakis, C. E., Nindos, A., Bastian, T. S., & Patsourakos, S., "Modeling the quiet Sun cell and network emission with ALMA", 2020A&A...640A..57A [ADS](#)
- Nita, G., Georgoulis, M., Kitiashvili, I., et al., "Machine Learning in Helioseismology and Space Weather Forecasting: A White Paper of Findings and Recommendations", 2020arXiv200612224N [ADS](#)
- Alissandrakis, C. E., Nindos, A., Bastian, T., & Patsourakos, S., "Modeling of the Brightness of the Chromospheric Network Based on ALMA High Resolution Observations of the Quiet Sun", 2020AAS...23610607A [ADS](#)
- Nindos, A., Alissandrakis, C. E., Patsourakos, S., & Bastian, T. S., "Transient brightenings in the quiet Sun detected by ALMA at 3 mm", 2020A&A...638A..62N [ADS](#)
- Wedemeyer, S., Szydlarski, M., Jafarzadeh, S., et al., "The Sun at millimeter wavelengths. I. Introduction to ALMA Band 3 observations", 2020A&A...635A..71W [ADS](#)
- Patsourakos, S., Alissandrakis, C. E., Nindos, A., & Bastian, T. S., "Observations of solar chromospheric oscillations at 3 mm with ALMA", 2020A&A...634A..86P [ADS](#)
- Bastian, T., Gary, D. E., Fleishman, G. D., et al., "Measuring Coronal Magnetic Fields with the Jansky Very Large Array and RATAN Telescopes", 2019AGUFMSH41B..05B [ADS](#)
- Kasper, J. C., Lazio, J., Romero-Wolf, A., et al., "The Sun Radio Interferometer Space Experiment (SunRISE) Mission Concept", 2019AGUFMSH33A..02K [ADS](#)
- Lazio, J., Kasper, J. C., Romero-Wolf, A., et al., "Implementation of the Sun Radio Interferometer Space Experiment (SunRISE) Mission Concept", 2019AGUFMSH31C3328L [ADS](#)
- Bastian, T., Chen, B., & Gary, D. E., "Towards Next Generation Radio Imaging Spectroscopy: a Path Forward to FASR", 2019AGUFMSH31C3327B [ADS](#)
- Yu, S., Chen, B., Bastian, T., & Gary, D. E., "Imaging Spectroscopic Observations of Type I Noise Storms with Ultrahigh Temporal and Spectral Resolution", 2019AGUFMSH23C3336Y [ADS](#)
- Schrijver, K., Bagenal, F., Bastian, T., et al., "Principles Of Heliophysics: a textbook on the universal processes behind planetary habitability", 2019arXiv191014022S [ADS](#)
- Bastian, T., Bain, H., Bradley, R., et al., "Frequency Agile Solar Radiotelescope", 2019astro2020U..56B [ADS](#)
- Chen, B., Luo, Y., Yu, S., et al., "Radio Spectroscopic Imaging of Solar Flare Termination Shocks: Split-band Feature and A Second Possible Event", 2019AAS...23421003C [ADS](#)
- Kobelski, A., Bastian, T. S., & Vourlidas, A., "Radio Propagation Diagnostics of the Inner Heliosphere in the Era of the Parker Solar Probe", 2019AAS...23410706K [ADS](#)
- Woods, T., Millan, R., Charo, A., et al., "Community Input Solicited for Heliophysics Decadal Survey Midterm Assessment Committee", 2019shin.confE..6W [ADS](#)
- Bastian, T., Cordes, J., Kasper, J., et al., "Radio Observational Constraints on Turbulent Astrophysical Plasmas", 2019astro2020T..307B [ADS](#)
- Airapetian, V., Adibekyan, V., Ansdel, M., et al., "Reconstructing Extreme Space Weather From Planet Hosting Stars", 2019BAAS...51c.564A [ADS](#)
- Chen, B., Bastian, T., Dahlin, J., et al., "Probing Magnetic Reconnection in Solar Flares: New Perspectives from Radio Dynamic Imaging Spectroscopy", 2019BAAS...51c.507C [ADS](#)
- Bastian, T., Chen, B., Gary, D. E., et al., "Radio, Millimeter, Submillimeter Observations of the Quiet Sun", 2019BAAS...51c.493B [ADS](#)
- Osten, R., Bastian, T., Bower, G., et al., "Advancing Understanding of Star-Planet Ecosystems in the Next Decade: The Radio Wavelength Perspective", 2019BAAS...51c.4340 [ADS](#)
- Fleishman, G., Bastian, T. S., Chen, B., et al., "Solar Coronal Magnetic Fields: Quantitative Measurements at Radio Wavelengths", 2019BAAS...51c.426F [ADS](#)
- Gary, D., Bastian, T. S., Chen, B., et al., "Particle Acceleration and Transport, New Perspectives from Radio, X-ray, and Gamma-Ray Observations", 2019BAAS...51c.371G [ADS](#)
- Bastian, T., Bain, H., Chen, B., et al., "Diagnostics of Space Weather Drivers Enabled by Radio Observations", 2019BAAS...51c.323B [ADS](#)
- Rodríguez, L. F., Lizano, S., Loinard, L., et al., "Flat-spectrum Radio Continuum Emission Associated with ?? Eridani", 2019ApJ...871..172R [ADS](#)
- Rodríguez, L. F., Lizano, S., Loinard, L., et al., "Flat Spectrum Radio Continuum Emission Associated with ?? Eridani", 2019arXiv190100903R [ADS](#)
- Villadsen, J., Hallinan, G., Mioduszewski, A., Bourke, S., & Bastian, T., "Resolved imaging of the quiet and flaring radio corona of active M dwarfs", 2019AAS...23320405V [ADS](#)
- Fleishman, G. D., Nita, G. M., White, S. M., Gary, D. E., & Bastian, T. S., "ngVLA Observations of Coronal Magnetic Fields", 2018ASPC..517..125F [ADS](#)
- Gary, D. E., Bastian, T. S., Chen, B., Fleishman, G. D., & Glesener, L., "Radio Observations of Solar Flares", 2018ASPC..517...99G [ADS](#)
- Bastian, T. S., "ngVLA Observations of the Solar Wind", 2018ASPC..517...87B [ADS](#)
- Nindos, A., Alissandrakis, C. E., Bastian, T. S., et al., "First high-resolution look at the quiet Sun with ALMA at 3mm", 2018A&A...619L...6N [ADS](#)
- Nita, G., Angryk, R., Aydin, B., et al., "Roadmap for Reliable Ensemble Forecasting of the Sun-Earth System", 2018arXiv181008728N [ADS](#)
- Bastian, T. S., "Science with an ngVLA: Observations of the Solar Wind", 2018arXiv181006633B [ADS](#)
- Fleishman, G. D., Nita, G. M., White, S. M., Gary, D. E., & Bastian, T. S., "Science with an ngVLA: ngVLA Observations of Coronal Magnetic Fields", 2018arXiv181006622F [ADS](#)
- Gary, D. E., Bastian, T. S., Chen, B., Fleishman, G. D., & Glesener, L., "Science with an ngVLA: Radio Observations of Solar Flares", 2018arXiv181006336G [ADS](#)

- Chen, B., Yu, S., Battaglia, M., et al., “*Magnetic Reconnection Null Points as the Origin of Semirelativistic Electron Beams in a Solar Jet*”, [2018ApJ...866...62C ADS](#)
- Bastian, T. & Kobelski, A., “*Probing the Inner Heliosphere Using Radio Diagnostic Techniques*”, [2018shin.confE..38B ADS](#)
- Bastian, T., Villadsen, J., Maps, A., Hallinan, G., & Beasley, A. J., “*Radio Emission from the Exoplanetary System Epsilon Eridani*”, [2018shin.confE..3B ADS](#)
- Bastian, T. S., Chintzoglou, G., De Pontieu, B., et al., “*Erratum: textquotedblleft A First Comparison of Millimeter Continuum and Mg II Ultraviolet Line Emission from the Solar Chromosphere textquotedblright (2017, ApJL, 845, L19)*”, [2018ApJ...860L..16B ADS](#)
- Bastian, T. S., Villadsen, J., Maps, A., Hallinan, G., & Beasley, A. J., “*Radio Emission from the Exoplanetary System ?? Eridani*”, [2018ApJ...857..133B ADS](#)
- Bastian, T. S., Bárta, M., Brajša, R., et al., “*Exploring the Sun with ALMA*”, [2018Msngr.171...25B ADS](#)
- Bastian, T. & ngVLA Solar Science Working Group, “*Solar and Heliospheric Physics with the ngVLA*”, [2018AAS...23134219B ADS](#)
- Kasper, J. C., Lazio, J., Alibay, F., et al., “*The Sun Radio Imaging Space Experiment (SunRISE) Mission*”, [2017AGUFMSH41B2760K ADS](#)
- Shimojo, M., Hudson, H. S., White, S. M., Bastian, T., & Iwai, K., “*The First ALMA Observation of a Solar Plasmoid Ejection from an X-Ray Bright Point*”, [2017AGUFMSH41A2754S ADS](#)
- Alissandrakis, C. E., Patsourakos, S., Nindos, A., & Bastian, T. S., “*Center-to-limb observations of the Sun with ALMA. Implications for solar atmospheric models*”, [2017A&A...605A..78A ADS](#)
- White, S. M., Shimojo, M., Bastian, T. S., et al., “*Solar Commissioning Observations of the Sun with ALMA*”, [2017SPD...4820402W ADS](#)
- Bastian, T. S., Chintzoglou, G., De Pontieu, B., et al., “*A First Comparison of Millimeter Continuum and Mg II Ultraviolet Line Emission from the Solar Chromosphere*”, [2017ApJ...845L..19B ADS](#)
- White, S. M., Iwai, K., Phillips, N. M., et al., “*Observing the Sun with the Atacama Large Millimeter/submillimeter Array (ALMA): Fast-Scan Single-Dish Mapping*”, [2017SoPh..292..88W ADS](#)
- Shimojo, M., Bastian, T. S., Hales, A. S., et al., “*Observing the Sun with the Atacama Large Millimeter/submillimeter Array (ALMA): High-Resolution Interferometric Imaging*”, [2017SoPh..292..87S ADS](#)
- Alissandrakis, C. E., Patsourakos, S., Nindos, A., & Bastian, T. S., “*Center-to-limb observations of the Sun with ALMA*”, [2017arXiv170509008A ADS](#)
- Shimojo, M., Hudson, H. S., White, S. M., Bastian, T. S., & Iwai, K., “*The First ALMA Observation of a Solar Plasmoid Ejection from an X-Ray Bright Point*”, [2017ApJ...841L..5S ADS](#)
- Winterhalter, D., Knapp, M., & Bastian, T., “*Getting to know the nearest stars: Intermittent radio bursts from Ross 614*”, [2017EGUGA..1918385W ADS](#)
- Lazio, J., Kasper, J., Maksimovic, M., et al., “*The Sun Radio Imaging Space Experiment (SunRISE) Mission*”, [2017EGUGA..19.5580L ADS](#)
- Cairns, I., Oberoi, D., Morgan, J., et al.: 2017, *MWA Observations of Solar Radio Bursts and the Quiet Sun*, MWA Proposal id.2017A-06 2017mwa..prop..A06C ADS
- Iwai, K., Shimojo, M., Asayama, S., et al., “*The Brightness Temperature of the Quiet Solar Chromosphere at 2.6 mm*”, [2017SoPh..292..22I ADS](#)
- Maps, A. D., Bastian, T. S., & Beasley, A. J., “*A Search for Radio Emission from Nearby Exoplanets*”, [2017AAS...22914635M ADS](#)
- Alibay, F., Lazio, J., Kasper, J. C., et al., “*The Sun Radio Interferometer Space Experiment (SunRISE)*”, [2016AGUFMSH41B2540A ADS](#)
- Winterhalter, D., Knapp, M., & Bastian, T., “*Systematic Search of the Nearest Stars for Exoplanetary Radio Emission: VLA observations in L and S Bands*”, [2016AGUFM.P13C..07W ADS](#)
- Wedemeyer, S., Bastian, T., Brajša, R., et al., “*Solar Science with the Atacama Large Millimeter/Submillimeter Array-A New View of Our Sun*”, [2016SSRv..200...1W ADS](#)
- Kobelski, A., Bastian, T. S., Bárta, M., et al., “*Solar Observations with the Atacama Large Millimeter/submillimeter Array (ALMA)*”, [2016ASPC..504..327K ADS](#)
- Kobelski, A., Bastian, T. S., & Betti, S., “*Probing Solar Wind Turbulence with the Jansky Very Large Array*”, [2016ASPC..504..97K ADS](#)
- Wedemeyer, S., Fleck, B., Battaglia, M., et al., “*ALMA Observations of the Sun in Cycle 4 and Beyond*”, [2016arXiv160100587W ADS](#)
- Chen, B., Bastian, T. S., Shen, C., et al., “*Particle acceleration by a solar flare termination shock*”, [2015Sci...350.1238C ADS](#)
- Wedemeyer, S., Bastian, T., Brajša, R., et al., “*SSALMON - The Solar Simulations for the Atacama Large Millimeter Observatory Network*”, [2015AdSpR..56.2679W ADS](#)
- Phillips, N., Hills, R., Bastian, T., et al., “*Fast Single-Dish Scans of the Sun Using ALMA*”, [2015ASPC..499..347P ADS](#)
- Wedemeyer, S., Bastian, T., Brajša, R., et al., “*Solar ALMA Observations - A New View of Our Host Star*”, [2015ASPC..499..345W ADS](#)
- Wedemeyer, S., Bastian, T., Brajša, R., Barta, M., & Shimojo, M., “*Solar Simulations for the Atacama Large Millimeter Observatory Network*”, [2015ASPC..499..341W ADS](#)
- Chen, B., Bastian, T., Shen, C., et al., “*Observations and Simulations of a Termination Shock in an Eruptive Solar Flare as a Possible Particle Accelerator*”, [2015AGUFMSH11F..05C ADS](#)
- Wedemeyer, S., Bastian, T. S., Brajša, R., & Barta, M., “*SSALMON - The Solar Simulations for the Atacama Large Millimeter Observatory Network*”, [2015IAUGA..2257466W ADS](#)
- Bastian, T. S., Barta, M., Brajša, R., et al., “*The Atacama Large Millimeter/Submillimeter Array: a New Asset for Solar and Heliospheric Physics*”, [2015IAUGA..2257295B ADS](#)
- Wedemeyer, S., Brajša, R., Bastian, T. S., et al., “*Solar ALMA observations - A revolutionizing new view at our host star*”, [2015IAUGA..2256732W ADS](#)
- Gary, D. E., Chen, B., Bastian, T. S., Shen, C., & Krucker, S., “*Observation and Modeling of a Termination Shock in a Solar Eruption as a Possible Particle Accelerator*”, [2015TESS...130402G ADS](#)
- Bastian, T. S., “*Solar Observations with the Atacama Large Millimeter/submillimeter Array (ALMA)*”, [2015TESS...120323B ADS](#)
- Bastian, T. S., Gary, D. E., White, S., Fleishman, G., & Chen, B., “*Radio Coronal Magnetography of a Large Active Region*”, [2015TESS...111301B ADS](#)
- Bastian, T. S., Shimojo, M., Wedemeyer-Böhm, S., & ALMA North American Solar Development Team, “*Observing the Sun with ALMA: A New Window into Solar Physics*”, [2015AAS...22541301B ADS](#)
- Chen, B., Gary, D. E., & Bastian, T., “*Constraining Solar Coronal Magnetic Fields with New Radio Observing Techniques*”, [2014AGUFMSH23C..07C ADS](#)
- Chen, B., Bastian, T., & Gary, D. E., “*VLA Observations of Solar Decimetric Spike Bursts: Direct Signature of Accelerated Electrons in Reconnection Outflow Region*”, [2014AGUFMSH23A4149C ADS](#)
- Chen, B., Bastian, T. S., & Gary, D. E., “*Direct Evidence of an Eruptive, Filament-hosting Magnetic Flux Rope Leading to a Fast Solar Coronal Mass Ejection*”, [2014ApJ...794..149C ADS](#)
- Chen, B., Bastian, T. S., Gary, D. E., & White, S. M., “*Probing Magnetic Energy Release in a Solar Flare with Radio Dynamic Imaging Spectroscopy*”, [2014AAS...22311804C ADS](#)
- Tomczyk, S., Zhang, J., Bastian, T., & Leibacher, J. W., “*Preface*”, [2013SoPh..288..463T ADS](#)
- Bastian, T. S., “*A view from the ground: Next generation instrumentation for solar and heliospheric physics*”, [2013AIPC.1539..442B ADS](#)
- Krucker, S., Giménez de Castro, C. G., Hudson, H. S., et al., “*Solar flares at submillimeter wavelengths*”, [2013A&ARv..21..58K ADS](#)
- Chen, B., Bastian, T. S., White, S. M., et al., “*Tracing Electron Beams in the Sun's Corona with Radio Dynamic Imaging Spectroscopy*”, [2013ApJ...763L..21C ADS](#)
- Bastian, T. & Gary, D., “*Observing the Sun at Radio Wavelengths: Current Status and Future Prospects*”, [2012IAUSS...6E.215B ADS](#)
- Chen, B. & Bastian, T. S., “*The Role of Inverse Compton Scattering in Solar Coronal Hard X-Ray and γ-Ray Sources*”, [2012ApJ...750..35C ADS](#)
- Bastian, T. S. & Chen, B., “*Radio Spectroscopic Imaging of Electron Beams in the Solar Corona*”, [2012AAS...22020443B ADS](#)
- Chen, B. & Bastian, T. S., “*The Role of Inverse Compton Scattering in Solar Coronal Hard X-ray and γ-ray Sources*”, [2011AGUFMSH44A..05C ADS](#)
- Chen, B., Bastian, T. S., Gary, D. E., & Jing, J., “*Spatially and Spectrally Resolved Observations of a Zebra Pattern in a Solar Decimetric Radio Burst*”, [2011ApJ...736..64C ADS](#)
- Fleishman, G., Gary, D., Nita, G., et al., “*Uncovering Mechanisms of Coronal Magnetism via Advanced 3D Modeling of Flares and Active Regions*”, [2010arXiv1011.2800F ADS](#)
- Bastian, T., “*Radiative signatures of energetic particles*”, in C. J. Schrijver and G. L. Siscoe (Eds.), *Heliophysics: Space Storms and Radiation: Causes and Effects*, 79 2010hsrr.book...79B ADS
- Bastian, T. S., Chen, B., & Gary, D. E., “*Spatially and Spectrally Resolved Observations of a “Zebra” Solar Radio Burst*”, [2010AAS...21542201B ADS](#)
- Chen, B. & Bastian, T. S., “*Interplanetary Type II Radio Bursts and the Role of Synchrotron Radiation*”, [2009SPD...41.3709C ADS](#)
- Parsons, A., Werthimer, D., Backer, D., et al., “*Digital Instrumentation for the Radio Astronomy Community*”, [2009astro2010T..21P ADS](#)
- White, S., Bastian, T., Judge, P., & Lin, H., “*Coronal “Dark Energy” and Solar/Stellar Activity*”, [2009astro2010S..315W ADS](#)
- Lazio, J., Bastian, T., Bryden, G., et al., “*Magnetospheric Emissions from Extrasolar Planets*”, [2009astro2010S.177L ADS](#)
- Gibson, S., Bastian, T., Lin, H., Low, B. C., & Tomczyk, “*Magnetically driven activity in the solar corona: a path to understanding the energetics of astrophysical plasmas*”, [2009astro2010S..94G ADS](#)
- Bastian, T. S., Emslie, G., Fleishman, G., et al., “*Particle Acceleration and Transport on the Sun*”, [2009astro2010S..13B ADS](#)

- Fleishman, G. D., Bastian, T. S., & Gary, D. E., “*Broadband Quasi-periodic Radio and X-Ray Pulsations in a Solar Flare*”, 2008ApJ...684.143SF [ADS](#)
- Osten, R. A. & Bastian, T. S., “*Ultrahigh Time Resolution Observations of Radio Bursts on AD Leonis*”, 2008ApJ...674.10780 [ADS](#)
- Bastian, T. S., Fleishman, G. D., & Gary, D. E., “*Radio Spectral Evolution of an X-Ray-poor Impulsive Solar Flare: Implications for Plasma Heating and Electron Acceleration*”, 2007ApJ...666.1256B [ADS](#)
- Bastian, T. S., “*Radio emission from the Sun, planets, and the interplanetary medium*”, 2007HiA....14..362B [ADS](#)
- Bastian, T. S., “*Synchrotron Radio Emission from a Fast Halo Coronal Mass Ejection*”, 2007ApJ...665..805B [ADS](#)
- Bastian, T. S. & FASR Design Team, “*The FASR Reference Instrument*”, 2007AAS...210.8203B [ADS](#)
- Bastian, T. S., “*Synchrotron Radiation From A Fast Halo CME*”, 2007AAS...210.2922B [ADS](#)
- Bastian, T. S., “*Progress in Understanding Radio Emission from Solar Flares: Observations with the Nobeyama Radioheliograph 1999-2004*”, 2006spmr.conf....3B [ADS](#)
- Bastian, T. S., “*Magnetic Field Measurements in Flare Loops and CMEs*”, 2006ASPc..358..173B [ADS](#)
- Osten, R. A. & Bastian, T., “*Fast-Drifting Radio Bursts Seen on the Flare Star AD Leo with the Arecibo Observatory*”, 2006AAS...209.29140 [ADS](#)
- Bastian, T. S., “*Low Frequency Radiophysics of the Sun and Heliosphere*”, 2006IAUD..12E..1B [ADS](#)
- Bastian, T. S., “*Radio Diagnostics of Magnetic Fields in the Solar Corona*”, 2006IAUD..3E..93B [ADS](#)
- Bastian, T. S., Fleishman, G., & Gary, D. E., “*Quasi-periodic Radio And X-ray Pulsations In A Solar Flare*”, 2006SPD....37.1309B [ADS](#)
- Bastian, T. S., Gary, D. E., Hurford, G. J., et al., “*The FASR Reference Instrument*”, 2006AGUSMHS3A..08B [ADS](#)
- White, S. M., Mercier, C., Bradley, R., et al., “*Imaging Observations of a Very High Frequency Type II Burst*”, 2006AGUSMHS24A..05W [ADS](#)
- Bastian, T., “*Coronal Mass Ejections and their Associated Radio Emissions*”, 2006AGUSMHS24A..02B [ADS](#)
- Osten, R. A. & Bastian, T. S., “*Wide-Band Spectroscopy of Two Radio Bursts on AD Leonis*”, 2006ApJ...637.10160 [ADS](#)
- Bastian, T., Fleishman, G., & Gary, D., “*NoRH and RHESSI Observations of Quasiperiodic Radio and X-ray Oscillations in a Solar Flare*”, 2006cosp...36.3251B [ADS](#)
- Osten, R. A., Hawley, S. L., Bastian, T. S., & Reid, I. N., “*The Radio Spectrum of TVLM 513-46546: Constraints on the Coronal Properties of a Late M Dwarf*”, 2006ApJ...637..5180 [ADS](#)
- Bradley, R., Parashare, C., White, S. M., & Bastian, T. S., “*Instrument Development for the Green Bank Solar Radio Burst Spectrometer (GB/SRBS)*”, 2005ASPc..345..357B [ADS](#)
- White, S. M., Bastian, T. S., Bradley, R., Parashare, C., & Wye, L., “*Low-Frequency Solar Radio Bursts from Green Bank*”, 2005ASPc..345..176W [ADS](#)
- Bastian, T. S. & Gary, D. E., “*Low Frequency Solar Radiophysics and Next Generation Instrumentation*”, 2005ASPc..345..142B [ADS](#)
- Stewart, K. P., Crane, P. C., Paravastu, N., et al., “*An RFI Survey at the Site of the Long Wavelength Deomonstration Array (LWDA)*”, 2005AAS...20713604S [ADS](#)
- Fleishman, G. D., Bastian, T. S., & Gary, D. E., “*Quasiperiodic Electron Acceleration in the 15 June 2003 Solar Flare*”, 2005AGUSMSP41C..04F [ADS](#)
- Bastian, T. S., Bradley, R., White, S., & Mastrantonio, E., “*The Green Bank Solar Radio Burst Spectrometer*”, 2005AGUSMHS43A..16B [ADS](#)
- Osten, R. A., Hawley, S. L., Bastian, T. S., & Reid, I. N., “*Radio observations of brown dwarfs*”, 2005ESASP..560..8570 [ADS](#)
- Farrell, W. M., Lazio, T. J. W., Zarka, P., et al., “*The radio search for extrasolar planets with LOFAR*”, 2004P&SS...52.1469F [ADS](#)
- Bastian, T. S., “*Low-frequency solar radiophysics with LOFAR and FASR*”, 2004P&SS...52.1381B [ADS](#)
- Quick, L. C., Osten, R., Bastian, T., & Hawley, S., “*Radio Observations of Brown Dwarfs*”, 2004AAS...205.1101Q [ADS](#)
- Bastian, T. S., “*The Frequency Agile Solar Radiotelescope*”, 2004ASSL..314..47B [ADS](#)
- Farrell, W. M., Lazio, T. J. W., Desch, M. D., Bastian, T. S., & Zarka, P., “*Radio Emission from Extrasolar Planets*”, 2004IAUS..213..73F [ADS](#)
- Bastian, T. S., “*Radio Emission from the Sun and Stars: New Insights into Energetic Phenomena*”, 2004IAUS..219..145B [ADS](#)
- Osten, R. A. & Bastian, T. S., “*Radio Bursts on the Flare Star AD Leo from the Arecibo Observatory*”, 2003AAS...203.48020 [ADS](#)
- Carpenter, K., Hassler, D., Berger, T., et al., “*Future Capabilities for Solar/Stellar Observations*”, 2003csss...12..359C [ADS](#)
- Klein, M. J., Bolton, S. J., Bastian, T. S., et al., “*Microwave observations of jupiter's synchrotron emission during the galileo flyby of amalthea in 2002*”, 2003EAEJA....14635K [ADS](#)
- White, S. M., Gary, D. E., Bastian, T. S., Hurford, G. J., & Lanzerotti, L. J., “*The Frequency Agile Solar Radiotelescope (FASR)*”, 2003EAEJA....11021W [ADS](#)
- Bastian, T., “*Low Frequency Solar Radiophysics*”, 2003EAEJA....7841B [ADS](#)
- Farrell, W. M., Lazio, T. J., Desch, M. D., Zarka, P., & Bastian, T., “*Radio Emission from Extrasolar Planetary Systems*”, 2003EAEJA....3834F [ADS](#)
- White, S., Lee, J., Aschwanden, M. A., & Bastian, T. S., “*Imaging capabilities of the Frequency Agile Solar Radiotelescope (FASR)*”, 2003SPIE.4853..531W [ADS](#)
- Bastian, T. S., “*Frequency agile solar radiotelescope*”, 2003SPIE.4853..98B [ADS](#)
- Bastian, T. S., “*The Frequency Agile Solar Radiotelescope*”, 2003AdSpR..32.2705B [ADS](#)
- Farrell, W. M., Desch, M. D., Lazio, T. J., Bastian, T., & Zarka, P., “*Limits on the Magnetosphere/Stellar Wind Interactions for the Extrasolar Planet about Tau Bootis*”, 2003ASPC..294..151F [ADS](#)
- Langston, G. I., Orban, C. M., & Bastian, T. S., “*A Search for Cyclotron Emission from known Extra-Solar Planets*”, 2002AAS...201.4610L [ADS](#)
- Bastian, T. S., “*ALMA and the Sun*”, 2002AN....323..271B [ADS](#)
- Bastian, T. S., “*Radio Diagnostics of Magnetic Fields in CMEs*”, 2002AAS...200.6507B [ADS](#)
- Bastian, T. S., “*The Frequency Agile Solar Radiotelescope*”, 2002AAS...200.4902B [ADS](#)
- Bolton, S. J., Janssen, M., Thorne, R., et al., “*Ultra-relativistic electrons in Jupiter's radiation belts*”, 2002Natur.415..987B [ADS](#)
- Bastian, T., Payne, J., Pick, M., & Kerdraon, A., “*A radio survey of fast CMEs accompanied by interplanetary type II bursts*”, 2002cosp...34E1872B [ADS](#)
- Bastian, T., Gary, D., White, S., & Hurford, G., “*The frequency agile solar telescope (FASR)*”, 2002cosp...34E1870B [ADS](#)
- Bolton, S. J., Janssen, M., Levin, S., et al., “*Cassini, VLA and DSN Observations of Synchrotron Emission from Jupiter's Radiation Belts*”, 2001DPS...33.0504B [ADS](#)
- Bastian, T. S., Pick, M., Kerdraon, A., Maia, D., & Vourlidas, A., “*The Coronal Mass Ejection of 1998 April 20: Direct Imaging at Radio Wavelengths*”, 2001ApJ...558L..65B [ADS](#)
- Bastian, T. S., “*Radio Wave Propagation in the Corona and the Interplanetary Medium*”, 2001Ap&SS.277..107B [ADS](#)
- Bolton, S. J., Janssen, M., Levin, S., et al., “*Observations of Jovian Synchrotron Emission*”, 2001AGUSM...P52A08B [ADS](#)
- Chiuderi Drago, F., Alissandrakis, C. E., Bastian, T., Bocchialini, K., & Harrison, R. A., “*Joint EUV/Radio Observations of a Solar Filament*”, 2001SoPh..199..115C [ADS](#)
- Janssen, M. A., Bolton, S. J., Levin, S. M., et al., “*Cassini RADAR/Radiometer and VLA Observations of Jupiter's Synchrotron Emission*”, 2001pre5.conf..229J [ADS](#)
- Gary, D. E., Bastian, T. S., White, S. M., & Hurford, G. J., “*The Frequency-Agile Solar Radiotelescope (FASR) (invited)*”, 2001aprs.conf..236G [ADS](#)
- Franciosini, E., Pallavicini, R., Bastian, T., et al., “*Coordinated BeppoSAX and VLA observations of UX Arietis (CD-ROM Directory: contribs/francio1)*”, 2001ASPc..223..930F [ADS](#)
- Dulk, G. A., Leblanc, Y., Bastian, T. S., & Bougeret, J.-L., “*Acceleration of electrons at type II shock fronts and production of shock-accelerated type III bursts*”, 2000JGR...10527343D [ADS](#)
- Bastian, T. S., Dulk, G. A., & Leblanc, Y., “*A Search for Radio Emission from Extrasolar Planets*”, 2000ApJ...545..1058B [ADS](#)
- Bastian, T., “*Solar Wind: Radio Techniques for Probing*”, in P. Murdin (Ed.), Encyclopedia of Astronomy and Astrophysics, 2599 2000eaa..bookE2599B [ADS](#)
- Bastian, T., “*Solar Flares: Radio Bursts*”, in P. Murdin (Ed.), Encyclopedia of Astronomy and Astrophysics, 2293 2000eaa..bookE2293B [ADS](#)
- Jones, D. L., Allen, R., Basart, J., et al., “*Space VLBI at Low Frequencies*”, 2000aprs.conf..265J [ADS](#)
- Bastian, T., “*Solar Radio Emission*”, in A. N. Cox (Ed.), Allen's Astrophysical Quantities, 375–377 2000asqu.book..375B [ADS](#)
- Jones, D., Allen, R., Basart, J., et al., “*The Astronomical Low Frequency Array: A Proposed Explorer Mission for Radio Astronomy*”, 2000GMS...119..339J [ADS](#)
- Bastian, T. S., “*Propagation of Radio Waves in the Corona and Solar Wind*”, 2000GMS...119..85B [ADS](#)
- Jones, D. L., Allen, R. J., Basart, J. P., et al., “*The ALFA Medium Explorer Mission*”, 2000AdSpR..26..743J [ADS](#)
- Bastian, T. S., “*Impulsive Flares: A Microwave Perspective*”, 1999spro.proc..211B [ADS](#)
- , “*Solar Physics with Radio Observations*”, 1999spro.proc.....B [ADS](#)
- Bastian, T. S., “*Radio Interferometric Observations of Scattering Phenomena in the Outer Solar Corona*”, 1999ESASP..448.1131B [ADS](#)

- Gontikakis, C. P., Dara, H. C., Alissandrakis, C. E., et al., “*Structure and Dynamics in the Transition Region*”, 1999ESASP.448..297G [ADS](#)
- Bastian, T. S., Dulk, G. A., Leblanc, Y., & Sault, R., “*A Search for Radio Emission from Extrasolar Planets*”, 1999DPS...31.0901B [ADS](#)
- Bastian, T. S., Dulk, G. A., Leblanc, Y., & Sault, R. J., “*A search for radio emission from extrasolar planets.*”, 1999BAAS...31.1086B [ADS](#)
- Hurford, G. J., Gary, D. E., Bastian, T. S., & White, S. M., “*FASTR - A Frequency-Agile Solar Radiotelescope*”, 1999AAAS...194.7603H [ADS](#)
- Butler, B. J. & Bastian, T. S., “*Solar System Objects*”, 1999ASPC..180..625B [ADS](#)
- Bastian, T. S., Gary, D. E., White, S. M., & Hurford, G. J., “*Broadband microwave imaging spectroscopy with a solar-dedicated array*”, 1998SPIE.3357..609B [ADS](#)
- Dulk, G. A., Leblanc, Y., & Bastian, T. S., “*Search for radio emission of extra-solar planets*”, 1998pslv.conf..421D [ADS](#)
- Aschwanden, M. J., Bastian, T. S., Nitta, N., et al., “*Coordinated Observations with SOHO, YOHKO and VLA*”, 1998ASPC..155..311A [ADS](#)
- Aschwanden, M. J., Neupert, W. M., Newmark, J., et al., “*3-Dimensional Models of Active Region Loops*”, 1998ASPC..155..145A [ADS](#)
- Chiuderi-Drago, F., Bocchialini, K., Lamartinie, S., et al., “*EUV and Microwave Observations of a Filament*”, 1998ASPC..150..55C [ADS](#)
- Beasley, A. J. & Bastian, T. S., “*VLBA Imaging of UX Ari*”, 1998ASPC..144..321B [ADS](#)
- Bastian, T. S., Gary, D. E., White, S. M., & Hurford, G. J., “*Toward a Frequency-Agile Solar Radiotelescope*”, 1998ASPC..140..563B [ADS](#)
- Bastian, T. S., Benz, A. O., & Gary, D. E., “*Radio Emission from Solar Flares*”, 1998ARA&A..36..131B [ADS](#)
- Vourlidas, A., Bastian, T. S., & Aschwanden, M. J., “*The Structure of the Solar Corona above Sunspots as Inferred from Radio, X-Ray, and Magnetic Field Observations*”, 1997ApJ...489..403V [ADS](#)
- Krucker, S., Benz, A. O., Bastian, T. S., & Acton, L. W., “*X-Ray Network Flares of the Quiet Sun*”, 1997ApJ...488..499K [ADS](#)
- Bastian, T. S. & Gary, D. E., “*On the feasibility of imaging coronal mass ejections at radio wavelengths*”, 1997JGR..10214031B [ADS](#)
- Dulk, G. A., Leblanc, Y., & Bastian, T. S., “*Search for Cyclotron-maser Radio Emission from Extrasolar Planets*”, 1997DPS...29.2803D [ADS](#)
- Bastian, T. S. & Aschwanden, M. J., “*Relative Timing of Microwave and HXR Bursts*”, 1997SPD...28.1803B [ADS](#)
- Keller, C., Bastian, T., Benz, A., & Krucker, S., “*Chromospheric Events in the Quiet Network*”, 1997SPD...28.1304K [ADS](#)
- Benz, A. O., Krucker, S., Acton, L. W., & Bastian, T. S., “*Fine structure of the X-ray and radio emissions of the quiet solar corona.*”, 1997A&A...320..993B [ADS](#)
- Bastian, T. S., “*High Resolution Millimeter and Submillimeter Observations of Active Stars*”, 1997msma.conf..27B [ADS](#)
- Bastian, T. S. & Gary, D. E., “*Prospects for the Solar Radio Telescope*”, in G. Trottet (Ed.), *Coronal Physics from Radio and Space Observations*, Vol. 483, 218 1997LNP...483..218B [ADS](#)
- Bastian, T. S. & Vlahos, L., “*Energy Release in the Solar Corona*”, in G. Trottet (Ed.), *Coronal Physics from Radio and Space Observations*, Vol. 483, 68 1997LNP...483..68B [ADS](#)
- Benz, A. O., Krucker, S., Acton, L. W., & Bastian, T. S., “*X-Ray/Radio Network Flares of the Quiet Sun*”, 1997IAUDJ..19E..1B [ADS](#)
- Alissandrakis, C. E., Drago, F., Bastian, T., et al., “*Microwave and UV observations of filaments with SOHO and the VLA*”, 1997ASPC..118..289A [ADS](#)
- Bastian, T. S., Dulk, G. A., & Leblanc, Y., “*High-Resolution Microwave Observations of the Quiet Solar Chromosphere*”, 1996ApJ...473..539B [ADS](#)
- Vourlidas, A. & Bastian, T. S., “*Multiband VLA Observations of Solar Active Regions: Implications for the Distribution of Coronal Plasma*”, 1996ApJ...466.1039V [ADS](#)
- Vourlidas, A., Bastian, T. S., & Aschwanden, M. J., “*On the Peculiar Radio Polarization of a Sunspot and the Distibution of the Coronal Plasma*”, 1996AAAS...188.3602V [ADS](#)
- Bastian, T. S., Beasley, A. J., & Bookbinder, J. A., “*A Search for Radio Pulsations from AE Aquarii*”, 1996ApJ...461.1016B [ADS](#)
- Krucker, S., Benz, A. O., Aschwanden, M. J., & Bastian, T. S., “*Location of Type I Radio Continuum and Bursts on YOHKO Soft X-ray Maps*”, 1996mpsaa.conf..441K [ADS](#)
- Bastian, T. S., “*Radio Emission from Solar and Stellar Flares*”, 1996mpsaa.conf..259B [ADS](#)
- Vourlidas, A., Bastian, T. S., Nitta, N., & Aschwanden, M. J., “*Joint Radio and Soft X-Ray Imaging of an ‘Anemone’ Active Region*”, 1996SoPh..163..99V [ADS](#)
- Beasley, A. J. & Bastian, T. S., “*VLBA imaging of RS CVn systems: UX Ari*”, 1996ASPC..109..639B [ADS](#)
- Bastian, T. J., “*Radio Flares on Stars: Possible Solar Analogs?*”, 1996ASPC..93..447B [ADS](#)
- Bastian, T. S., Gary, D. E., Hurford, G. J., et al., “*Broadband Imaging Spectroscopy with the Solar Radio Telescope*”, 1996ASPC...93..430B [ADS](#)
- Kliem, B. & Bastian, T. S., “*VLA Observations of Decimetric Microbursts in the Solar Corona*”, 1996ASPC...93..372K [ADS](#)
- Bastian, T. S., Beasley, A. J., & Bookbinder, J. A., “*The Time Variability of Radio Emission from AE Aquarii*”, 1996ASPC...93..185B [ADS](#)
- Abada-Simon, M., Bastian, T. S., Fletcher, L., et al., “*Radio Emission from AE Aquarii*”, 1996ASPC...93..182A [ADS](#)
- Vourlidas, A., Bastian, T. S., & Aschwanden, M. J., “*Active Region 7123: Its Peculiar Radio Polarization and the Distribution of the Umbral Coronal Plasma*”, 1995AAAS...18710105V [ADS](#)
- Krucker, S., Aschwanden, M. J., Bastian, T. S., & Benz, A. O., “*First VLA observation of a solar narrowband, millisecond spike event.*”, 1995AA&A...302..551K [ADS](#)
- Krucker, S., Benz, A. O., Aschwanden, M. J., & Bastian, T. S., “*Location of Type I Radio Continuum and Bursts on YOHKO Soft X-Ray Maps*”, 1995SoPh..160..151K [ADS](#)
- Hurford, G. J., Bastian, T. S., Gary, D. E., et al., “*A Solar Radio Telescope for the Future: Strawman Concept from the SRT Workshop*”, 1995SPD...26..802H [ADS](#)
- Gary, D. E., Bastian, T. S., Hudson, H. S., et al., “*A Solar Radio Telescope for the Future: Science Summary from the SRT Workshop*”, 1995SPD...26..801G [ADS](#)
- Vourlidas, A., Bastian, T. S., Aschwanden, M. J., & Nitta, N., “*Aspect Angle Dependence of the Polarized Radio Emission from AR 7123*”, 1995SPD...26..701V [ADS](#)
- , “*The VLA (Very Large Array) development plan*”, 1995vvla.conf....B [ADS](#)
- Bastian, T. S., “*Radio Diagnostics of Conditions in the Solar Atmosphere*”, 1995itsa.conf..115B [ADS](#)
- Abada-Simon, M., Bastian, T. S., Bookbinder, J. A., et al., “*Extension of the Radio Spectrum of AE Aquarii to the Sub-millimetric Range*”, in J. Greiner, H. W. Duerbeck, and R. E. Gershberg (Eds.), *IAU Colloq. 151: Flares and Flashes*, Vol. 454, 268 1995LNP...454..268A [ADS](#)
- Bastian, T. S., “*Angular Scattering of Radio Waves: Implications for Mode Coupling in the Solar Corona*”, 1995ApJ...439..494B [ADS](#)
- Abada-Simon, M., Bastian, T. S., Horne, K., Robinson, E. L., & Bookbinder, J. A., “*The Radio and Optical Flares of A.E Aquarii*”, 1995ASPC..85..355A [ADS](#)
- Beasley, A. J., Bastian, T. S., Ball, L., & Wu, K., “*A Microwave Survey of Magnetic Cataclysmic Variables*”, 1994AJ....108.2207B [ADS](#)
- Vourlidas, A., Bastian, T. S., Aschwanden, M., & Nitta, N., “*Joint Radio and Soft X-ray Imaging of an ‘Anemone’ Active Region*”, 1994AAAS...185.8609V [ADS](#)
- Kucera, T. A., Dulk, G. A., Gary, D. E., & Bastian, T. S., “*A Multisource Limb Flare Observed at Multiple Radio Wavelengths*”, 1994ApJ...433..875K [ADS](#)
- Aschwanden, M. J. & Bastian, T. S., “*VLA Stereoscropy of Solar Active Regions*”, 1994kofu.symp..357A [ADS](#)
- Bastian, T. S., “*Propagation of Radio Waves in the Sun’s Corona: Angular Broadening in the Limit of Small-Angle Scattering*”, 1994kofu.symp..321B [ADS](#)
- Bastian, T. S., Nitta, N., Kiplinger, A. L., & Dulk, G. A., “*Energy Transport During a Solar Flare: VLA Observations of the M1.9 Flare of 20 Aug 1992*”, 1994kofu.symp..199B [ADS](#)
- Rodriguez, L. F. & Bastian, T. S., “*Rotation in the Ionized Envelope of MWC 349A*”, 1994ApJ...428..324R [ADS](#)
- Abada-Simon, M., Lecacheux, A., Bastian, T. S., Bookbinder, J. A., & Dulk, G. A., “*First millimetric detections of AE Aquarii*”, 1994SSRv...68..291A [ADS](#)
- Bastian, T. S., “*Stellar flares*”, 1994SSRv...68..261B [ADS](#)
- Bastian, T. S., “*Angular Scattering of Solar Radio Emission by Coronal Turbulence*”, 1994ApJ...426..774B [ADS](#)
- Aschwanden, M. J. & Bastian, T. S., “*VLA Stereoscropy of Solar Active Regions. II. Altitude, Relative Motion, and Center-to-Limb Darkening of 20 Centimeter Emission*”, 1994ApJ...426..434A [ADS](#)
- Aschwanden, M. J. & Bastian, T. S., “*VLA Stereoscropy of Solar Active Regions. I. Method and Tests*”, 1994ApJ...426..425A [ADS](#)
- Ewell, M. W., Jr., Zirin, H., Jensen, J. B., & Bastian, T. S., “*850 MU M Observations of the 11 July 1991 Total Solar Eclipse*”, 1994IAUS..154..161E [ADS](#)
- Vourlidas, A. & Bastian, T. S., “*A Multiband Study of Radio Emission from Solar Active Regions*”, 1994ASPC...68..369V [ADS](#)
- Bastian, T. S., Ewell, M. W., Jr., & Zirin, H., “*A Study of Solar Prominences near lambda = 1 Millimeter*”, 1993ApJ...418..510B [ADS](#)
- Bastian, T. S., Ewell, M. W., Jr., & Zirin, H., “*The Center-to-Limb Brightness Variation of the Sun at lambda = 850 Microns*”, 1993ApJ...415..364B [ADS](#)

- Kucera, T. A., Dulk, G. A., Kiplinger, A. L., et al., "Multiple Wavelength Observations of an Off-Limb Eruptive Solar Flare", 1993ApJ...412..853K ADS
- Lecacheux, A., Rosolen, C., Davis, M., et al., "Dynamic spectra of radio sources from 4.5 to 5.0 GHz", 1993A&A...275..670L ADS
- Brown, W. A., Acton, L. W., Bruner, M. E., et al., "Observations of an Emerging Flux Region", 1993BAAS...25Q1214B ADS
- Gary, D. E., Hurford, G. J., & Bastian, T., "OVRO Microwave Observations During the Max'91/CoMStOC'92 Campaign", 1993BAAS...25.1224G ADS
- Aschwanden, M. J., Bastian, T. S., & Nitta, N., "VLA Stereoscopy of Solar Active Region 7123", 1993BAAS...25.1224A ADS
- Bastian, T. S., Nitta, N., & Kiplinger, A., "The M1.9 Flare of 20 August 1992: Joint Imaging with the VLA, Yohkoh, and a High Speed H α Camera", 1993BAAS...25.1222B ADS
- Bruner, M. E., Acton, L. W., Brown, W. A., et al., "Multitemperature Observations of an Emerging Flux Region", 1993BAAS...25.1179B ADS
- Abada-Simon, M., Lecacheux, A., Bastian, T. S., Bookbinder, J. A., & Dulk, G. A., "The Spectrum and Variability of Radio Emission from AE Aquarii", 1993ApJ...406..692A ADS
- Rodríguez, L. F. & Bastian, T. S., "The Kinematics of the Ionized Envelope of MWC349A", 1993ESOC...46..468R ADS
- Ewell, M. W. J., Zirin, H., Jensen, J. B., & Bastian, T. S., "Submillimeter Observations of the 1991 July 11 Total Solar Eclipse", 1993ApJ...403..426E ADS
- Aschwanden, M. J., White, S. M., & Bastian, T. S., "3D reconstruction methods of coronal structures by radio observations.", 1992ESASP.348..217A ADS
- Nitta, N., Bastian, T. S., Aschwanden, M. J., Harvey, K. L., & Strong, K. T., "Simultaneous Observations of Coronal Bright Points in X-Ray and Radio Wavelengths", 1992PASJ...44L.167N ADS
- Linsky, J. L., Drake, S. A., & Bastian, T. S., "Radio Emission from Chemically Peculiar Stars", 1992ApJ...393..341L ADS
- Bastian, T. S. & Gary, D. E., "Radio observations of the M8.1 solar flare of 23 June, 1988: Evidence for energy transport by thermal processes", 1992SoPh..139..357B ADS
- Aschwanden, M. J., Bastian, T. S., Benz, A. O., & Brosius, J. W., "Decimetric Solar Type U Bursts: VLA and PHOENIX Observations", 1992ApJ...391..380A ADS
- Aschwanden, M. J., Bastian, T. S., & Gary, D. E., "Solar Radio Pulsation Event Observed by the VLA and OVRO", 1992AAS...180.4505A ADS
- Kucera, T. A., Dulk, G. A., & Bastian, T. S., "Model of Gyrosynchrotron Emission from a High Coronal Loop", 1992AAS...180.4205K ADS
- Vourlidas, A. & Bastian, T. S., "The Structure of Solar Active Regions", 1992AAS...180.4204V ADS
- Bastian, T. S., "Scattering of Radio Waves in the Solar Corona", 1992AAS...180..1107B ADS
- Bastian, T. S., "Detection of the H92 alpha Radio Recombination Line from the Symbiotic Star H1-36 Arae", 1992ApJ...387L..77B ADS
- White, S. M., Kundu, M. R., Bastian, T. S., et al., "Multifrequency Observations of a Remarkable Solar Radio Burst", 1992ApJ...384..656W ADS
- Linsky, J. L., Drake, S. A., & Bastian, T. S., "The Class of Radio Emitting Magnetic B Stars; a Wind-Fed Magnetospheric Model", 1992ASPC...26..325L ADS
- Lecacheux, A., Abada-Simon, M., Belkora, L., et al., "High Sensitivity; Dynamic Spectral Search for Flare Star Radio Bursts with the Arecibo Single Dish", 1992ASPC...26..319L ADS
- Saar, S. H., Bookbinder, J. A., Neff, J., Bromage, G., & Bastian, T., "The Distribution of Magnetic Fields and Related Activity on A'D Leo", 1991BAAS...23.1383S ADS
- Dulk, G. A. & Bastian, T. S., "Imaging the Sun and the Planets with a Radio Schmidt Telescope", 1991rst..work..123D ADS
- Bastian, T. S., "Improved Solar Capabilities of the VLA", 1991BAAS...23R1072B ADS
- Kucera, T. A., Dulk, G. A., Winglee, R. M., et al., "Observations of Two Large Off Limb Solar Flares in the Radio, X-Rays, and H α ", 1991BAAS...23R1065K ADS
- Bastian, T. S., Aschwanden, M. J., & Gary, D. E., "Temporally, Spectrally, and Spatially Resolved Observations of a Pulsating Solar Radio Burst", 1991BAAS...23Q1072B ADS
- Aschwanden, M. J., Bastian, T. S., Benz, A. O., & Dennis, B. R., "Coordinated VLA-PHOENIX-SMM Observations: Microwave Type U-Bursts", 1991BAAS...23.1065A ADS
- White, S. M., Kundu, M. R., Bastian, T. S., et al., "Multifrequency Observations of a Remarkable Solar Radio Burst", 1991BAAS...23.1043W ADS
- Bastian, T. S., "Solar Radio Microbursts at 1.4 GHz", 1991ApJ...370L..49B ADS
- Kucera, T. A., Winglee, R. M., Dulk, G. A., Bastian, T. S., & Gary, D. E., "Observations of Two Large Limb Flares on 20 June 1989", 1991max..conf..172K ADS
- Bastian, T. S. & Kiplinger, A. L., "VLA and H α Observations of the M8.7 Flare of 17 June 1989: A Preliminary Report", 1991max..conf..153B ADS
- Bastian, T. S., "Radio Emission from Flare Stars", 1990SoPh..130..265B ADS
- Bastian, T. S., Bookbinder, J., Dulk, G. A., & Davis, M., "Dynamic Spectra of Radio Bursts from Flare Stars", 1990ApJ...353..265B ADS
- Bastian, T. S., "Direct Imaging of a Coherent Solar Radio Burst", 1990BAAS...22..824B ADS
- Benz, A. O., Guedel, M., Bastian, T. S., et al., "Broadband Spectral Radio Observations of Flare Stars", 1990IAUS..137..139B ADS
- Linsky, J. L., Drake, S. A., & Bastian, T. S., "Extension of the Class of Magnetic B-Star Nonthermal Radio Sources", 1990ASPC....9..189L ADS
- Gudel, M., Benz, A. O., Bastian, T. S., et al., "Broadband spectral observations of a dMe star radio flare.", 1989A&A...220L..5G ADS
- Linsky, J. L., Drake, S. A., & Bastian, T. S., "Extension of the Class of Magnetic B Star Nonthermal Radio Sources", 1989BAAS...21Q.742L ADS
- Bastian, T., "Solar Imaging with a Synthesis Telescope", 1989ASPC....6..395B ADS
- Slee, O. B., Stewart, R. T., Nelson, G. J., et al., "Microwave Spectra and Polarization of Active Stars", 1988ApL&C..27..247S ADS
- Bastian, T. S., Dulk, G. A., & Channugam, G.: 1988a, Radio Flares from AE Aquarii: A Low-Power Analog to Cygnus X-3?; Erratum, Astrophysical Journal v.330, p.518 1988ApJ...330..518B ADS
- Bastian, T. S., Dulk, G. A., & Slee, O. B., "A Search for Radio Emission from Flare Stars in the Pleiades", 1988AJ.....95..794B ADS
- Bastian, T. S. & Dulk, G. A., "Variation of the quiet sun at 21 cm: 1981 - 1987.", 1988sscd.conf..386B ADS
- Bastian, T. S. & Dulk, G. A., "Imaging the Sun at 1.4 GHz", 1988NRAOW..15..125B ADS
- Bastian, T. S., Dulk, G. A., & Channugam, G., "Radio Flares from AE Aquarii: A Low-Power Analog to Cygnus X-3?", 1988ApJ...324..431B ADS
- Drake, S. A., Abbott, D. C., Bastian, T. S., et al., "The Discovery of Nonthermal Radio Emission from Magnetic Bp-Ap Stars", 1987ApJ...322..902D ADS
- Bastian, T. S.: 1987, "Aperture Synthesis Observations of Solar and Stellar Radio Emission.", Ph.D. thesis, University of Colorado, Boulder 1987PhDT.....19B ADS
- Bastian, T. S. & Bookbinder, J. A., "First dynamic spectra of stellar microwave flares", 1987Natur.326..678B ADS
- Bastian, T. S., Dulk, G. A., & Bookbinder, J. A., "Stellar dynamic spectroscopy", 1987SoPh..113..289B ADS
- Winglee, R. M., Dulk, G. A., & Bastian, T. S., "A Search for Cyclotron Maser Radiation from Substellar and Planet-like Companions of Nearby Stars", 1986ApJ...309L..59W ADS
- Bastian, T. S. & Bookbinder, J. A., "Dynamic Spectra of Microwave Outbursts on dMe Flare Stars", 1986BAAS...18..985B ADS
- Bastian, T. S. & Dulk, G. A., "Radio Observations of Flare Stars in the Pleiades", in M. Zeilik and D. M. Gibson (Eds.), Cool Stars, Stellar Systems and the Sun, Vol. 254, 256 1986LN...254..256B ADS
- Dulk, G. A., Bastian, T. S., & Kane, S. R., "Two-Frequency Imaging of Microwave Impulsive Flares near the Solar Limb", 1986ApJ...300..438D ADS
- Bastian, T. S., Dulk, G. A., & Channugam, G., "Radio Emission from AM Herculis", 1985ASSL..116..225B ADS
- Bastian, T. S. & Dulk, G. A., "Full disk maps of the sun at 1.4 GHz", 1985BAAS...17R.632B ADS
- Bastian, T. S. & Dulk, G. A., "Full Disk Maps of the Sun at 1.4 GHz", 1985BAAS...17..632B ADS
- Bastian, T. S., Dulk, G. A., & Channugam, G., "AM Herculis: An Outburst at 4.9 GHz", 1985ASSL..113..231B ADS
- Dulk, G. A., Bastian, T. S., & Channugam, G., "Radio emission from AM Herculis : the quiescent component and an outburst.", 1983ApJ...273..249D ADS
- Dulk, G. A., Bastian, T. S., & Hurford, G. J., "Dual Frequency Observations of Flares with the VLA", 1983SoPh...86..219D ADS
- Bastian, T. S. & Dulk, G. A., "Two-frequency imaging of impulsive microwave flares.", 1983BAAS...15..874B ADS
- Bastian, T. S., McKibben, R. B., Pyle, K. R., & Simpson, J. A., "Gradients of galactic cosmic rays and anomalous helium to more than 23 A.U. during the increase of solar modulation in 1978-80", 1981ICRC...10..88B ADS
- Bastian, T. S., Chenette, D. L., & Simpson, J. A., "Charged Particle Anisotropies in Saturn's Magnetosphere", 1980JGR....85.5763B ADS
- Simpson, J. A., Bastian, T. S., Chenette, D. L., McKibben, R. B., & Pyle, K. R., "The Trapped Radiations of Saturn and Their Absorption by Satellites and Rings", 1980JGR....85.5731S ADS
- Simpson, J. A., Bastian, T. S., Chenette, D. L., et al., "Saturnian Trapped Radiation and its Absorption by Satellites and Rings: The First Results from Pioneer 11", 1980Sci...207..411S ADS

- Bastian, T. S., McKibben, R. B., Pyle, K. R., & Simpson, J. A., “*The Radial Intensity Gradients for Cosmic Rays and the Anomalous Helium from Pioneer 10 and 11*”, 1979ICRC...13..405B [ADS](#)
- Bastian, T. S., McKibben, R. B., & Simpson, J. A., “*Recurrent Modulation of Galactic Cosmic Rays and the Anomalous Helium*”, 1979ICRC...12..324B [ADS](#)
- Bastian, T. S., McKibben, R. B., Pyle, K. R., & Simpson, J. A., “*Variations in the Intensity of Galactic Cosmic Rays and the Anomalous Helium as a Function of Solar Latitude*”, 1979ICRC...12..318B [ADS](#)
- Bastian, T. S., McKibben, R. B., Pyle, K. R., & Simpson, J. A., “*The Radial Intensity Gradients for Cosmic Rays and the Anomalous Helium from Pioneer 10 and 11*”, 1979ICRC....5..338B [ADS](#)