

Bibliography from ADS file: zirker.bib
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- Zirker, J., "That was then, this is now; on to the future.", 2021JAHH...24.1073Z ADS
- Pasachoff, J. M., Dupree, A. K., Foukal, P., Weart, S., & Zirker, J., "The Fiftieth Anniversary Celebration of the Solar Physics Division of the American Astronomical Society", 2021JAHH...24.1057P ADS
- Engvold, O. & Zirker, J. B., "Chapter 12.2 - High-Resolution Ground-Based Observations of the Sun", in O. Engvold, J.-C. Vial, and A. Skumanich (Eds.), *The Sun as a Guide to Stellar Physics*, 419–441 2019sgsp.book...419E ADS
- Zirker, J. B. & Engvold, O., "Chapter 1 - Discoveries and Concepts: The Sun's Role in Astrophysics", in O. Engvold, J.-C. Vial, and A. Skumanich (Eds.), *The Sun as a Guide to Stellar Physics*, 1–26 2019sgsp.book...1Z ADS
- Engvold, O. & Zirker, J. B., "The Parallel Worlds of Christoph Scheiner and Galileo Galilei", 2016JHA...47.332E ADS
- Zirker, J. B., "Our Sun: The Nearest Star", in *Astronomy and Astrophysics*, 290–348 2012aaa1.book...290Z ADS
- Zirker, J. B. & Neukirch, T., "The Magnetic Universe: The Elusive Traces of an Invisible Force", 2010PhT...63f.51Z ADS
- Zirker, J. B.: 2005, *An acre of glass : a history and forecast of the telescope* 2005aghf.book...Z ADS
- Zirker, J. B. & Acton, L. W., "Journey from the Center of the Sun", 2003PhT...56b.62Z ADS
- Zirker, J. B.: 2002, *Journey from the center of the sun* 2002jcs.book...Z ADS
- Zirker, J. B.: 2001, *Journal from the Center of the Sun* 2001jcs.book...Z ADS
- Zirker, J., "Solar Prominence Chirality", in P. Murdin (Ed.), *Encyclopedia of Astronomy and Astrophysics*, 2279 2000eaa...bookE2279Z ADS
- Jefferies, J. T. & Zirker, J. B., "Frank Quimby Orrall (15 October 1925 - 4 February 2000)", 2000SoPh...194.185J ADS
- Dunn, R. B., Smartt, R. N., & Zirker, J. B., "Obituary John Wainwright Evans, Jr.", 2000PhT...53c.94D ADS
- Dunn, R. B., Simon, G. W., Smartt, R. N., & Zirker, J. B., "John W. Evans died 31 October 1999", 2000SoPh...191.227D ADS
- Dunn, R. B., Simon, G. W., Smartt, R. N., & Zirker, J. B., "Obituary: John Wainwright Evans, 1909-1999", 2000BAAS...32.1663D ADS
- Zirker, J. B., Engvold, O., & Martin, S. F., "Counter-streaming gas flows in solar prominences as evidence for vertical magnetic fields", 1998Natur...396.440Z ADS
- Zirker, J. B., "The Sacramento Peak Observatory", 1998SoPh...182...1Z ADS
- Zirker, J. B., Leroy, J. L., & Gaizauskas, V., "Are All Prominences Either Sinistral or Dextral?", 1998ASPC...150.439Z ADS
- Mein, P., Schmieder, B., Malherbe, J. M., et al., "Velocity Fields of a Filament Region Observed with Ground-Based Telescopes and from SOHO", 1998ASPC...150.135M ADS
- Zirker, J. B., Leroy, J. L., & Gaizauskas, V., "The Sinistral-Dextral Regularity: An Independent Test", 1997SoPh...176.279Z ADS
- Zirker, J. B., Engvold, O., & Martin, S. F., "Plasma Streaming as Indicator of Field Topology in a Quiescent Filament", 1997AAS...19112004Z ADS
- Zirker, J. B., Martin, S. F., Harvey, K., & Gaizauskas, V., "Global Magnetic Patterns of Chirality", 1997SoPh...175.27Z ADS
- Gaizauskas, V., Zirker, J. B., Sweetland, C., & Kovacs, A., "Formation of a Solar Filament Channel", 1997ApJ...479.448G ADS
- Labonte, B., Livingston, W., & Zirker, J., "High resolution coronal imaging. 11 July, 1991 total eclipse with University of Hawaii 2.24 meter telescope on Mauna Kea.", 1997ASIC...494.35L ADS
- Zirker, J. B. & McGee, H., "Book-Review - Total Eclipses of the Sun", 1995JBAA...105.187Z ADS
- Zirker, J. B., "Books-Received - Total Eclipses of the Sun - ED.2", 1995Sci...268.1641Z ADS
- Zirker, J. B., "Total eclipses of the sun", 1995tesp.conf...Z ADS
- Zirker, J. B., "Solar Variability Enterprise - A Community-wide Program", 1995SPD...26.101Z ADS
- Zirker, J. B.: 1995b, *Total eclipses of the sun* 1995tets.book...Z ADS
- Zirker, J. B., "Mechanisms of Coronal Heating", 1995itsa.conf...13Z ADS
- Zirker, J. B., "Flows at Filament Footpoints", 1994AAS...185.4411Z ADS
- Zirker, J. B. & Cleveland, F. M., "Searching for Nanoflares", 1994SoPh...153.245Z ADS
- Zirker, J., "A Radical in Tweeds: Robert H. Dicke", 1994Mercur...23d.23Z ADS
- Zirker, J. B., Engvold, O., & Yi, Z., "Flows in Quiescent Prominences", 1994SoPh...150.81Z ADS
- Bouchard, O., Koutchmy, S., November, L., Vial, J. C., & Zirker, J. B., "Very High Resolution Analysis of the Dynamics of a Coronal Plasmoid", 1994scs.conf...593B ADS
- Zirker, J. B., "Photospheric Vortices and Coronal Heating", 1994scs.conf...478Z ADS
- Bocchialini, K., Koutchmy, S., Vial, J. C., & Zirker, J. B., "Analysis of the Chromospheric Proxies of Coronal Bright Points - Preliminary Results", 1994emsp.conf...173B ADS
- Bocchialini, K., Vial, J. C., Koutchmy, S., & Zirker, J. B., "Analysis of Chromospheric Proxies of Coronal Bright Points", 1994ASPC...68.389B ADS
- Zirker, J. B., "Coronal Heating", 1993SoPh...148.43Z ADS
- Zirker, J. B., "Photospheric Vortices and Coronal Heating", 1993SoPh...147.47Z ADS
- Zirker, J. B. & Cleveland, F. M., "Avalanche Models of Active Region Heating and Flaring", 1993SoPh...145.119Z ADS
- Zirker, J. B. & Cleveland, F. M., "Nanoflare Mechanisms - Twisting and Braiding", 1993SoPh...144.341Z ADS
- Zirker, J. B., "The anatomy of the Sun", 1992Natur...357.552Z ADS
- Zirker, J. B., Koutchmy, S., Nitschelm, C., et al., "Structural changes in the solar corona during the July 1991 eclipse", 1992A&A...258L.1Z ADS
- Zirker, J. B. & Cleveland, F. M., "Nanoflare mechanisms: twisting and braiding.", 1992mrpa.work...159Z ADS
- Dzyubenko, N. I., Kurochka, L. N., Rubo, G. A., et al., "The solar corona of July 11, 1991. Observations in Brazil (MICE)", 1992ATsir1552...21D ADS
- Zirker, J. B., Koutchmy, S., Coulter, R. L., November, L. J., & Smartt, R. N., "Eclipse Plans for NSO/SP", 1991BAAS...23.1063Z ADS
- Koutchmy, S., Zirker, J. B., Darvann, T., et al., "High spatial resolution V-Stokes polarimetry to measure the Zeeman effect in flux tubes and prominence filament threads.", 1991sopo.work...263K ADS
- Koutchmy, S., Zirker, J. B., Steinolfson, R. S., & Zhugzhda, I. D., "Coronal activity.", in *Solar Interior and Atmosphere*, 1044–1086 1991sia.book...1044K ADS
- Zirker, J. B. & Koutchmy, S., "Prominence Fine Structure - Part Two - Diagnostics", 1991SoPh...131.107Z ADS
- Zirker, J. B. & Koutchmy, S., "Prominence Fine Structure", 1990SoPh...127.109Z ADS
- Koutchmy, S., Stauffer, F., Zirker, J., et al., "Video Magnetograms with Sub-Arcsecond Resolution", 1990BAAS...22.880K ADS
- Darvann, T. A., Koutchmy, S., & Zirker, J. B., "An Automated Procedure for Measurement of Prominence Transverse Velocities", in V. Ruzdjak and E. Tandberg-Hanssen (Eds.), *IAU Colloq. 117: Dynamics of Quiescent Prominences*, Vol. 363, 267 1990LNP...363.267D ADS
- Zirker, J. B. & Koutchmy, S., "High Resolution Observations of Motions and Structure of Prominence Threads", in V. Ruzdjak and E. Tandberg-Hanssen (Eds.), *IAU Colloq. 117: Dynamics of Quiescent Prominences*, Vol. 363, 244 1990LNP...363.244Z ADS
- Koutchmy, S. & Zirker, J. B., "Estimation of the line of sight amplitude of the magnetic field on threads of an active region prominence", in V. Ruzdjak and E. Tandberg-Hanssen (Eds.), *IAU Colloq. 117: Dynamics of Quiescent Prominences*, Vol. 363, 242 1990LNP...363.242K ADS
- Koutchmy, S., Zirker, J., Gilliam, L. B., et al., "A movie of small-scale Doppler velocities in a quiescent prominence", in V. Ruzdjak and E. Tandberg-Hanssen (Eds.), *IAU Colloq. 117: Dynamics of Quiescent Prominences*, Vol. 363, 240 1990LNP...363.240K ADS
- Darvann, T. A., Koutchmy, S., Stauffer, F., & Zirker, J. B., "High Resolution Analysis of Quiescent Prominences at National Solar Observatory / Sacramento Peak Observatory", in V. Ruzdjak and E. Tandberg-Hanssen (Eds.), *IAU Colloq. 117: Dynamics of Quiescent Prominences*, Vol. 363, 239 1990LNP...363.239D ADS
- Zirker, J. B. & Koutchmy, S., "On the Spatial Distribution of Prominence Threads", in V. Ruzdjak and E. Tandberg-Hanssen (Eds.), *IAU Colloq. 117: Dynamics of Quiescent Prominences*, Vol. 363, 237 1990LNP...363.237Z ADS
- Zirker, J. B., "Interferometric Imaging - Part Two", 1989SoPh...120.253Z ADS
- Zirker, J. B., "Quiescent Prominences", 1989SoPh...119.341Z ADS
- von der Lühe, O. & Zirker, J. B., "Prospects for solar interferometry.", 1989hsrs.conf...191V ADS
- Lühe, O. V. D. & Zirker, J. B., "Prospects for solar interferometry", 1989hsrs.conf...191L ADS
- Zirker, J. B., "Phase recovery with dual non-redundant 2-D arrays", 1989hsrs.conf...187Z ADS
- Darvann, T. A., Koutchmy, S., & Zirker, J. B., "An Automated Procedure for Measurement of Prominence Transverse Velocities", 1989HvaOB...13.243D ADS
- Zirker, J. B. & Koutchmy, S., "On the Spatial Distribution of Prominence Threads", 1989HvaOB...13.41Z ADS

- Zirker, J. B. & Koutchmy, S., "Prominence fine structure.", 1989BAAS...21.1027Z ADS
- Smartt, R. N., Colley, S. A., Gilliam, L. B., Koutchmy, S., & Zirker, J. B., "Spectroscopic Coronal Observations Using A High-Sensitivity Camera", 1988BAAS...20..704S ADS
- Zirker, J. B., "Wind, holes and bright points.", 1988sscd.conf...71Z ADS
- von der Lühe, O. & Zirker, J. B., "Scientific goals for solar interferometry.", 1988ESOC...29...77V ADS
- Title, A., Tarbell, T., Topka, K., et al., "Correlation Lifetimes of Quiet and Magnetic Granulation from the SOUP Instrument on Spacelab 2", 1988ApL&C...27..141T ADS
- Zirker, J. B., "Interferometric imaging: a numerical simulation.", 1987SoPh...111..235Z ADS
- Zirker, J. B., "Imaging interferometry with non-redundant arrays.", 1987NASCP2483..143Z ADS
- Zirker, J. B., "Spectroscopy of the solar corona", 1987soap.conf..165Z ADS
- Zirker, J. B., "Joint Discussion on Topics of Session 12", 1987rfsm.conf..348Z ADS
- Zirker, J. B., "Imaging Interferometry with Non-Redundant Arrays", 1987rfsm.conf..342Z ADS
- Zirker, J. B. & Brown, T. M., "Phase recovery with dual nonredundant arrays", 1986JOSAA...3.2077Z ADS
- Smithson, R. C., Sharbaugh, R. J., Ramsey, H. E., et al., "Initial Solar Observations at Sacramento Peak Using the Lockheed Active Optics System", 1986BAAS...18..933S ADS
- Zirker, J. B., "Prominence hydrogen lines at 10 20 microns", 1985SoPh...102...33Z ADS
- Zirker, J. B., "Solar Astronomy. (Book Reviews: Solar Maximum Analysis; Solar-Space Observations and Stellar Prospects)", 1985Sci...230..660Z ADS
- Zirker, J. B., "Solar Astronomy. (Book Reviews: Solar Maximum Analysis; Solar-Space Observations and Stellar Prospects)", 1985Sci...230..660S ADS
- Harvey, J. W., Hudson, H. S., Noyes, R. W., & Zirker, J. B., "Book-Review - Solar/Space Observations and Stellar Prospects", 1985Sci...230..660H ADS
- Zirker, J. B., "Progress in Coronal Physics", 1985SoPh...100..281Z ADS
- Zirker, J. B., "Book-Review - Total Eclipse of the Sun", 1985S&T...70..230Z ADS
- Zirker, J. B., "Testing Einstein's General Relativity during Eclipses of the Sun", 1985Mercur...14...98Z ADS
- Zirker, J. B. & Howard, R. F., "Solar Meridional Flow During 1982 - 1984", 1985BAAS...17..634Z ADS
- Zirker, J. B., "A review of the summer workshop on "Chromospheric diagnostics and modelling", held at Sacramento Peak Observatory, Sunspot, New Mexico, August 13 - 16, 1984.", 1985rbcc.conf...3Z ADS
- "Relations between chromospheric-coronal heating and mass loss in stars. Proceedings of the Trieste Workshop 1984, held at Sacramento Peak Observatory, Sunspot, New Mexico, USA, 18 - 24 August 1984.", 1985rbcc.conf...S ADS
- Zirker, J. B.: 1984, Total eclipses of the sun 1984tes..book...Z ADS
- Smartt, R. N. & Zirker, J. B., "New observations of the Solar Emission Corona in Fe X and Fe XIV", 1984stp.conf..269S ADS
- Zirker, J. B., "A Review of the Summer Workshop on "Chromospheric Diagnostics and Modelling"", 1984rcch.conf...3Z ADS
- Zirker, J. B., "The Structure and Variability of the Solar Wind", 1984evml.conf...25Z ADS
- Zirker, J. B., "Book-Review - Total Eclipses of the Sun", 1984SciN...126...78Z ADS
- Worden, S. P., Dunn, R. B., Smith, M. A., & Zirker, J. B., "An Air Force/NSF initiative to study the origins of solar activity.", 1982SAOSR.392B.221W ADS
- Smartt, R. N., Zirker, J. B., & Mauter, H. A., "Interferometric Eclipse Observations of the Fe XIV Inner Corona", 1982tsef.conf..102S ADS
- Zirker, J. B., "Solar Physics at Future Solar Eclipses", 1982tsef.conf...6Z ADS
- Zirker, J. B., "Solar Wind", 1982obvf.conf..181Z ADS
- Smartt, R. N., Zirker, J. B., & Mauter, H. A., "Interferometric eclipse observations of the Fe XIV inner corona.", 1982PINS...48..102S ADS
- Smartt, R. N., Zirker, J. B., & Mauter, H. A., "Interferometric Eclipse Observations of the Fe XIV Inner Corona", 1982PIAS...48..102S ADS
- Zirker, J. B., "The solar corona and the solar wind.", in S. Jordan (Ed.), NASA Special Publication, Vol. 450, 135-162 1981NASSP.450..135Z ADS
- Smartt, R. N., Zirker, J. B., & Mauter, H. A., "Eclipse observations of coronal Fe XIV emission.", 1981otse.conf...36S ADS
- Zirker, J. B. & Durney, B. R., "Sacramento Peak Observatory, Sunspot, New Mexico 88349. Report.", 1981BAAS...13..389Z ADS
- Zirker, J. B., "Coronal holes and solar mass loss.", 1981ASIC...68..301Z ADS
- Zirker, J. B., "Total Eclipses of the Sun", 1980Sci...210.1313Z ADS
- Smartt, R. N., Zirker, J. B., & Mauter, H. A., "Interferometric Eclipse Observations of Coronal FeXIV Emission", 1980BASI...8...59S ADS
- Gilliam, L. B., Smartt, R. N., & Zirker, J. B., "Solar corona spectra observations in active, quiescent and hole regions.", 1980BAAS...12..751G ADS
- Zirker, J., "Summary of the SCADM Meeting", 1980NASCP2098..315Z ADS
- "Study of the solar cycle from space. Proceedings of a symposium held at Wellesley, Massachusetts, June 14 - 15, 1979.", 1980NASCP2098...N ADS
- Zirker, J. B., "Solar pulsations.", 1980AIAAJ..18..176Z ADS
- Zirker, J. B., "The large-scale structure of the corona.", 1980HiA...5..549Z ADS
- Zirker, J. B. & Cram, L. E., "Sacramento-Peak Observatory", 1980BAAS...12..351Z ADS
- Zirker, J. B., "Sacramento Peak Observatory, Sunspot, New Mexico 88349. Report.", 1979BAAS...11..300Z ADS
- Zirker, J. B., "A Solar Observatory in the Canary Islands", 1978S&T...55..216Z ADS
- Zirker, J. B., "Sacramento Peak Observatory, Sunspot, New Mexico. Report.", 1978BAAS...10..309Z ADS
- Zirker, J. B., "Coronal holes and high-speed wind streams.", 1977RvGSP...15..257Z ADS
- Phillips, K. J. H. & Zirker, J. B., "A model for X-ray emission from loop prominences.", 1977SoPh...53...41P ADS
- Zirker, J. B., "Energy Balance in Coronal Holes and Solar Wind Streams", 1977ebhs.coll..421Z ADS
- Zirker, J. B., "Coronal holes - an overview.", 1977chhs.conf...1Z ADS
- "Coronal holes and high speed wind streams: a monograph from Skylab solar workshop I.", 1977chhs.conf...Z ADS
- Zirker, J. B.: 1976a, Observational research on solar coronal waves. Final Report, 1 Sep. 1974 - 30 Sep. 1976 Hawaii Univ., Honolulu. Inst. for Astronomy. 1976huha.rept...Z ADS
- Zirker, J. B., "The Sun's Atmosphere. (Book Reviews: The Solar Chromosphere and Corona. Quiet Sun)", 1976Sci...194.1048Z ADS
- Orrall, F. Q. & Zirker, J. B., "Lyman-alpha emission from nonthermal proton beams.", 1976ApJ...208..6180 ADS
- Zirker, J. B., "INVITED PAPER - Recent Progress in the Study of Coronal Holes", 1976BAAS...8..376Z ADS
- Phillips, K. J. H. & Zirker, J. B., "On The Cooling of Loop Prominences", 1976BAAS...8..345P ADS
- Simon, G. W. & Zirker, J. B., "A Search for the Footpoints of Solar Magnetic Fields", 1974SoPh...35..331S ADS
- Dunn, R. B., Zirker, J. B., & Beckers, J. M., "Properties of the Solar Filigree Structure", 1974IAUS...56...45D ADS
- Dunn, R. B. & Zirker, J. B., "The Solar Filigree", 1973SoPh...33..281D ADS
- Simon, G. W. & Zirker, J. B., "A Search for the Roots of Photospheric Magnetic Fields", 1973BAAS...5Q.280S ADS
- Dunn, R. B. & Zirker, J. B., "A Search for the Photospheric Origin of Spicules", 1972BAAS...4T.381D ADS
- Jefferies, J. T., Orrall, F. Q., & Zirker, J. B., "The Interpretation of Total Line Intensities from Optically Thin Gases. III: Application to Coronal Forbidden Line Spectra", 1972SoPh...22..327J ADS
- Jefferies, J. T., Orrall, F. Q., & Zirker, J. B., "The Interpretation of Total Line Intensities from Optically Thin Gases. II: The Coronal Forbidden Lines", 1972SoPh...22..317J ADS
- Jefferies, J. T., Orrall, F. Q., & Zirker, J. B., "The Interpretation of Total Line Intensities from Optically Thin Gases. I: A General Method", 1972SoPh...22..307J ADS
- Zirker, J. B., "The Corona", 1971spas.conf..112Z ADS
- Jefferies, J. T., Orrall, F. Q., & Zirker, J. B., "The spectrum of the chromosphere and corona from lambda 3000 to lambda 7000 on March 7, 1970.", 1971BAAS...3Q.262J ADS
- Jefferies, J. T., Orrall, F. Q., & Zirker, J. B., "Coronal models and coronal chemical abundances.", 1971BAAS...3..261J ADS
- Jefferies, J. T., Orrall, F. Q., & Zirker, J. B., "The Spectrum of the Inner Corona Observed during the Total Solar Eclipse of 30 May, 1965", 1971SoPh...16..103J ADS
- Zirker, J. B., "Institute for Astronomy, University of Hawaii, Honolulu, Hawaii. Report 1969-1970.", 1971BAAS...3...83Z ADS
- Zirker, J. B., "Coronal Active Regions and Flare-Associated Events", 1971ASSL...27..140Z ADS
- Zirker, J. B., "The Excitation Equilibrium of Coronal Ions", 1970SoPh...11...68Z ADS
- Jefferies, J. T., Orrall, F. Q., & Zirker, J. B., "Models for Coronal Condensations", 1969BAAS...1Q.246J ADS

Jefferies, J. T., Orrall, F. Q., & Zirker, J. B., "Emission line spectrum of the solar corona.", 1969MSRSL...25...235J [ADS](#)

Jefferies, J. T., Orrall, F. Q., & Zirker, J. B., "22. Eission Line Spectrum of the Solar Corona", 1969LIACo...15...235J [ADS](#)

Dunn, R. B., Evans, J. W., Jefferies, J. T., et al., "The Chromospheric Spectrum at the 1962 Eclipse", 1968ApJS...15...275D [ADS](#)

Zirker, J. B., "The Solar H and K Lines of Ionized Calcium", 1968SoPh...3...164Z [ADS](#)

Zirker, J. B., "On the Motions of Chromospheric Fine-Structure in a Weak Plage", 1967SoPh...1...204Z [ADS](#)

Zirker, J. B., "The Calcium H and K Lines in Solar Plages", 1965SAOSR.174...397Z [ADS](#)

Zirker, J. B., "Introductory report", 1965IAUS...22...208Z [ADS](#)

Zirker, J. B., "On the periods of large-amplitude photospheric oscillations", 1964AnAp...27...429Z [ADS](#)

Schmidt, H. U. & Zirker, J. B., "On the Oscillations of the Solar Atmosphere.", 1963ApJ...138.1310S [ADS](#)

Orrall, F. Q. & Zirker, J. B., "Prominences and the Solar Corona.", 1963IAUS...16...390 [ADS](#)

Zirker, J. B., "Spectral Observations of Solar Chromospheric Spicules.", 1962ApJ...136...250Z [ADS](#)

Athay, R. G. & Zirker, J. B., "Ionization and Excitation Equilibrium of CA II in the Solar Atmosphere.", 1962ApJ...136...242A [ADS](#)

Athay, R. G. & Zirker, J. B., "Ionization and Excitation Equilibrium of Call in the Solar Atmosphere.", 1962AJ....67S.110A [ADS](#)

Zirker, J. B., "On the Brightness of Chromospheric Spicules.", 1962ApJ...135...515Z [ADS](#)

Thomas, R. N. & Zirker, J. B., "Departure from the Saha Equation for Ionized Helium. II. Atmospheric Thicknesses too Small to Satisfy Detailed Balance in the Resonance Lines.", 1961ApJ...134...740T [ADS](#)

Thomas, R. N. & Zirker, J. B., "The Source Function in a Non-Equilibrium Atmosphere. VIII. Solution for a Two Level Atom in a Finite Atmosphere.", 1961ApJ...134...733T [ADS](#)

Orrall, F. Q. & Zirker, J. B., "Heat Conduction and the Fine Structure of Solar Prominences. I. Optically Thin Model Prominences.", 1961ApJ...134...720 [ADS](#)

Orrall, F. Q. & Zirker, J. B., "The Coefficient of Thermal Conductivity in the Sun's Atmosphere.", 1961ApJ...134...630 [ADS](#)

Thomas, R. N. & Zirker, J. B., "Departures from the Saha Equation for Ionized Helium. I. Condition of Detailed Balance in the Resonance Lines.", 1961ApJ...133...588T [ADS](#)

Thomas, R. N. & Zirker, J. B., "The Excitation of Ionized Helium", 1961LIACo...10...562T [ADS](#)

Zirker, J. B., "The Energy Balance of Opaque Atmospheres.", 1960ApJ...131...684Z [ADS](#)

Zirker, J. B., "The Energy Equilibrium of the Solar Chromosphere.", 1960AJ....65R...59Z [ADS](#)

Zirker, J. B., "The High-Temperature Excitation of Ionized Helium.", 1959ApJ...129...424Z [ADS](#)

Zirker, J. B., "The Metallic Chromosphere at the Khartoum Eclipse.", 1958ApJ...127...680Z [ADS](#)

Zirker, J. B., Whipple, F. L., & Davis, R. J., "Time Available for the Optical Observation of an Earth Satellite", 1958sues.conf...23Z [ADS](#)

Davis, R. J., Whipple, F. L., & Zirker, J. B., "The Orbit of a Small Earth Satellite", 1958sues.conf...1D [ADS](#)

Zirker, J. B.: 1957, "An Investigation of the Solar Chromosphere.", Ph.D. thesis, Harvard University, Massachusetts 1957PhDT.....1Z [ADS](#)