

Bibliography from ADS file: skumanich.bib
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- Skumanich, A., “The discovery path of the inverse square root of age relations for solar-type stars”, 2022fysr.confE...1S ADS
- Skumanich, A., “Constraints Imposed by the Square-root Spin-down Law on Coronal Wind Parameters”, 2019ApJ...878...35S ADS
- Engvold, O., Vial, J.-C., & Skumanich, A., “Preface”, in O. Engvold, J.-C. Vial, and A. Skumanich (Eds.), *The Sun as a Guide to Stellar Physics*, xvii 2019sgsp.bookD...17E ADS
- Vial, J.-C. & Skumanich, A., “Chapter 14 - Challenges and Prospects for the Future”, in O. Engvold, J.-C. Vial, and A. Skumanich (Eds.), *The Sun as a Guide to Stellar Physics*, 463–473 2019sgsp.book...463V ADS
- Engvold, O., Vial, J.-C., & Skumanich, A.: 2019, *The Sun as a Guide to Stellar Physics* 2019sgsp.book...E ADS
- Reese, D. R., MacGregor, K. B., Jackson, S., Skumanich, A., & Metcalfe, T. S., “Pulsation Modes with High Azimuthal Orders in Stellar Models Based on the Self-Consistent Field Method”, 2009ASPC...416...395R ADS
- Reese, D. R., MacGregor, K. B., Jackson, S., Skumanich, A., & Metcalfe, T. S., “Pulsation modes in rapidly rotating stellar models based on the self-consistent field method”, 2009A&A...506...189R ADS
- Reese, D. R., Thompson, M. J., MacGregor, K. B., et al., “Mode identification in rapidly rotating stars”, 2009A&A...506...183R ADS
- Reese, D., MacGregor, K. B., Jackson, S., Skumanich, A., & Metcalfe, T. S., “Comparison of pulsation modes in rapidly rotating polytropic and SCF models”, 2009CoAst...158...264R ADS
- Reese, D., MacGregor, K. B., Jackson, S., Skumanich, A., & Metcalfe, T. S., “Pulsations of rapidly rotating stellar models based on the Self-Consistent-Field method: numerical aspects and accuracy”, 2008sf2a.conf...531R ADS
- MacGregor, K. B., Casini, R., Flanagan, W., Jackson, S., & Skumanich, A., “Absorption Line Profiles for Differentially Rotating Stellar Models”, 2007AAS...21110310M ADS
- MacGregor, K. B., Jackson, S., Skumanich, A., & Metcalfe, T. S., “On the Structure and Properties of Differentially Rotating, Main-Sequence Stars in the 1-2 M_{Solar} Range”, 2007ApJ...663...560M ADS
- Jackson, S., MacGregor, K. B., & Skumanich, A., “On the Use of the Self-consistent-Field Method in the Construction of Models for Rapidly Rotating Main-Sequence Stars”, 2005ApJS...156...245J ADS
- Jackson, S., MacGregor, K. B., & Skumanich, A., “Models for the Rapidly Rotating Be Star Achernar”, 2004ApJ...606.1196J ADS
- Skumanich, A., MacGregor, K. B., & Jackson, S., “Models for the Rapidly Rotating Be Star Achernar”, 2004AAS...204.0704S ADS
- Skumanich, A., “Sunspot Modeling and Scaling Laws”, 2003JKAS...36S...15 ADS
- Skumanich, A. & López Ariste, A., “On the Invariance of PCA Quick-Look Polarization Analysis to Different Magnetic Activity Samples”, 2003ASPC...307...109S ADS
- Skumanich, A., Toledano, O., & López Ariste, A., “Quick-Look Polarization Inversion Using PCA Decomposition. The Effect of Telluric Lines”, 2003ASPC...286...53S ADS
- Lites, B. W., Socas-Navarro, H., Skumanich, A., & Shimizu, T., “Converging Flows in the Penumbra of a δ Sunspot”, 2002ApJ...575.1131L ADS
- Skumanich, A. & López Ariste, A., “The Physical Content of the Leading Orders of Principal Component Analysis of Spectral Profiles”, 2002ApJ...570...379S ADS
- Skumanich, A. & López Ariste, A., “On the Universality of the Leading Orders of PCA. Spectral Eigenprofiles for the Sun.”, 2002AAS...200.5511S ADS
- Skumanich, A. & López Ariste, A., “The Physical Content of the Leading Orders of Principle Component Analysis of Spectral Profiles”, 2001AAS...198.0303S ADS
- Westendorp Plaza, C., del Toro Iniesta, J. C., Ruiz Cobo, B., et al., “Optical Tomography of a Sunspot. II. Vector Magnetic Field and Temperature Stratification”, 2001ApJ...547.1130W ADS
- Lites, B. W., Socas-Navarro, H., Skumanich, A., & Shimizu, T., “Converging Flows in the Penumbra of a δ -Sunspot”, 2001ASPC...248...143L ADS
- Skumanich, A., “Velocity and Field Gradient Corrections to the Rachkovsky Inversion for Magnetic Atmospheres”, 2001ASPC...236...543S ADS
- Skumanich, A., “Stokes Asymmetries & Gradient Corrections to Milne-Eddington Atmospheres”, 2000SPD...31.0125S ADS
- Leka, K. D. & Skumanich, A., “On the value of ‘ αR ’ from vector magnetograph data - I. Methods and Caveats”, 1999SoPh...188...3L ADS
- Skumanich, A., “The Evolution of Photospheric Magnetic Structures in Terms of the Size-Flux Relationship”, 1999AAS...194.9403S ADS
- Skumanich, A., “The Evolution of Photospheric Magnetic Structures in Terms of the Size-Flux Relationship”, 1999ApJ...512...975S ADS
- Leka, K. D. & Skumanich, A., “The Evolution of Pores and the Development of Penumbrae”, 1998ApJ...507...454L ADS
- Lites, B. W., Skumanich, A., & Martínez Pillet, V., “Vector magnetic fields of emerging solar flux. I. Properties at the site of emergence”, 1998A&A...333.1053L ADS
- Semel, M. & Skumanich, A., “An ambiguity-free determination of JZ in solar active regions”, 1998A&A...331...383S ADS
- Westendorp Plaza, C., del Toro Iniesta, J. C., Ruiz Cobo, B., et al., “Optical Tomography of a Sunspot. I. Comparison between Two Inversion Techniques”, 1998ApJ...494...453W ADS
- Martínez Pillet, V., Lites, B. W., & Skumanich, A., “Vector Magnetic Fields of Emerging Solar Flux”, 1998ESASP.417...259M ADS
- Westendorp Plaza, C., del Toro Iniesta, J. C., Ruiz Cobo, B., et al., “Evidence for a downward mass flux in the penumbral region of a sunspot”, 1997Natur...389...47W ADS
- Skumanich, A., Lites, B. W., Martínez Pillet, V., & Seagraves, P., “The Calibration of the Advanced Stokes Polarimeter”, 1997ApJS...110...357S ADS
- Leka, K. D. & Skumanich, A., “On the Development of a Sunspot Penumbra”, 1997SPD...28.1702L ADS
- Skumanich, A. & Semel, M., “On The Detection of Currents and Parker’s Objection”, 1997SPD...28.1605S ADS
- Martínez Pillet, V., Lites, B. W., & Skumanich, A., “Active Region Magnetic Fields. I. Plage Fields”, 1997ApJ...474...810M ADS
- Westendorp Plaza, C., del Toro Iniesta, J. C., Ruiz Cobo, B., et al., “Optical Tomography of a Sunspot: Preliminary Results”, 1997ASPC...118...202W ADS
- Westendorp Plaza, C., del Toro Iniesta, J. C., Ruiz Cobo, B., et al., “Inversion Techniques Applied to Sunspot Spectropolarimetric Data”, 1997ASPC...118...197W ADS
- Lites, B. W., Leka, K. D., Skumanich, A., Martínez Pillet, V., & Shimizu, T., “Small-Scale Horizontal Magnetic Fields in the Solar Photosphere”, 1996ApJ...460.1019L ADS
- Skumanich, A. & Semel, M., “Field Azimuth Disambiguation Using Ambiguity-Free Currents”, 1996SoPh...164...291S ADS
- Lites, B. W., Low, B. C., Martínez Pillet, V., et al., “The Possible Ascent of a Closed Magnetic System through the Photosphere”, 1995ApJ...446...877L ADS
- Leka, K. D., Lites, B. W., Skumanich, A., Martínez Pillet, V., & Shimizu, T., “Small scale horizontal magnetic fields in the solar photosphere”, 1995IAUS...176P.120L ADS
- Lites, B. W., Martínez Pillet, V., & Skumanich, A., “A Quantitative Comparison of Vector Magnetic Field Measurement and Analysis Techniques”, 1994SoPh...155...1L ADS
- Martínez Pillet, V., Lites, B. W., Skumanich, A., & Degenhardt, D., “Evidence for Supersonic Downflows in the Photosphere of a Delta Sunspot”, 1994ApJ...425L.113M ADS
- Lean, J., Skumanich, A., White, O. B., & Rind, D., “Estimating Solar Forcing of Climate Change during the Maunder Minimum”, 1994svsp.col1...236L ADS
- Martínez Pillet, V., Lites, B. W., Skumanich, A. P., Elmore, D. F., & Seagraves, P., “Physical conditions in magnetic elements of different polarities surrounding sunspots”, 1994smf...conf...219M ADS
- Skumanich, A. & Lites, B. W., “Vector field structure of a small sunspot”, 1994smf...conf...200S ADS
- Martínez Pillet, V., Lites, B. W., Skumanich, A. P., & Seagraves, P., “Magnetic Configuration of a Short-Lived Delta SPOT”, 1994ASPC...68...244M ADS
- Byrne, P. B., Mathioudakis, M., Young, A., & Skumanich, A., “H alpha Variability on HK Aqr: Coronal Condensations or Plages?”, 1994ASPC...64...375B ADS
- Skumanich, A., Lites, B. W., & Martínez Pillet, V., “Vector spectropolarimetry with the Advanced Stokes Polarimeter (ASP) for quantitative solar magnetometry”, 1994ASIC...433...99S ADS
- Lites, B. W., Elmore, D. F., Seagraves, P., & Skumanich, A. P., “Stokes Profile Analysis and Vector Magnetic Fields. VI. Fine Scale Structure of a Sunspot”, 1993ApJ...418...928L ADS
- Lites, B. W., Elmore, D. F., Tomczyk, S., et al., “Early Results from HAO/NSO Advanced Stokes Polarimeter”, 1993ASPC...46...173L ADS
- Elmore, D. F., Lites, B. W., Tomczyk, S., et al., “The Advanced Stokes Polarimeter - A new instrument for solar magnetic field research”, 1992SPIE.1746...22E ADS
- White, O. R., Skumanich, A., Lean, J., Livingston, W. C., & Keil, S. L., “The Sun in a Non-Cycling State”, 1992PASP...104.1139W ADS
- Lean, J., Skumanich, A., & White, O., “Estimating the sun’s radiative output during the Maunder Minimum”, 1992GeoRL...19.1595L ADS
- Lean, J., Skumanich, A., & White, O., “Estimating the Sun’s radiative output during the Maunder Minimum”, 1992GeoRL...19.1591L ADS

- Tomczyk, S., Elmore, D. F., Lites, B. W., et al., "The Advanced Stokes Polarimeter: A New Instrument for Solar Magnetic Field Research", 1992AAS...180.5108T ADS
- Skumanich, A., Grossmann-Doerth, U., & Lites, B. W., "Stokes Inversion in the Presence of Canopy-Like Structures and Unresolved Flux-Tubes", 1992AAS...180.1203S ADS
- Lites, B. W., Dunn, R. B., Elmore, D. F., et al., "First Results from the Advanced Stokes Polarimeter", 1992AAS...180.1201L ADS
- Skumanich, A., "Physical Models of Solar and Stellar Spots (Invited)", in P. B. Byrne and D. J. Mullan (Eds.), Surface Inhomogeneities on Late-Type Stars, Vol. 397, 94 1992LNP...397...94S ADS
- Young, A., Rottler, L., & Skumanich, A., "Fluorescence-induced Surface Inhomogeneities and Ejection and Trapping of Plasma by the K Dwarf Component of V471 Tauri", in P. B. Byrne and D. J. Mullan (Eds.), Surface Inhomogeneities on Late-Type Stars, Vol. 397, 75 1992LNP...397...75Y ADS
- Skumanich, A., "Observations of the Mesoscale Magnetic Structure of Sunspots", 1992ASIC...375...121S ADS
- Young, A., Rottler, L., & Skumanich, A., "Evidence for External Plasma around the K Dwarf Component of the Eclipsing Binary V471 Tauri", 1991ApJ...378L...25Y ADS
- Skumanich, A., "On the Scaling of the Axial Magnetic Field Gradient for Twisted Sunspots", 1991BAAS...23.1051S ADS
- Skumanich, A. & Lites, B., "Velocity gradients across a flaring neutral line from Stokes II measurements.", 1991sopo.work...307S ADS
- Lites, B. W., Elmore, D., Murphy, G., et al., "Preliminary results from the HAO/NSO Advanced Stokes Polarimeter prototype observing run.", 1991sopo.work...3L ADS
- Skumanich, A., "Pressure-Magnetic Field Scaling Law for Sunspots and Starspots", 1990BAAS...22Q1234S ADS
- Lites, B. W., Scharmer, G. B., & Skumanich, A., "High-Resolution Spectra of Solar Magnetic Features. I. Analysis of Penumbral Fine Structure", 1990ApJ...355...329L ADS
- Skumanich, A. & Gaizauskas, V., "OSO-8 Measurements of Velocity Signature of Flare Kernels", 1990BAAS...22...891S ADS
- Gaizauskas, V., Proulx, M., & Skumanich, A. P., "Development of Kernels in a Two-Ribbon Subflare", 1990BAAS...22...890G ADS
- Young, A., Skumanich, A., MacGregor, K. B., & Temple, S., "High-Latitude SPOT and Plage Activity on the Rapidly Rotating M Dwarf Star Gliese 890", 1990ApJ...349...608Y ADS
- Lites, B. W. & Skumanich, A., "Stokes Profile Analysis and Vector Magnetic Fields. V. The Magnetic Field Structure of Large Sunspots Observed with Stokes II", 1990ApJ...348...747L ADS
- Young, A., Skumanich, A., Stauffer, J. R., Bopp, B. W., & Harlan, E., "A Study of Excess H alpha Emission in Chromospherically Active M Dwarf Stars", 1989ApJ...344...427Y ADS
- Lites, B. W. & Skumanich, A., "The Advanced Stokes Polarimeter", 1989hsrs.conf...389L ADS
- Jefferies, J., Lites, B. W., & Skumanich, A., "Transfer of Line Radiation in a Magnetic Field", 1989ApJ...343...920J ADS
- Harrison, R. A., Pearce, G., & Skumanich, A., "The solar-stellar connection: the relationship between flaring rates, flare power and quiescent X-ray background.", 1989sasf.confP...13H ADS
- Young, A., Skumanich, A., & Paylor, V., "Fluorescence-induced Chromospheric H alpha Emission from the K Dwarf Component of V471 Tauri. I. The 1983 Epoch", 1988ApJ...334...397Y ADS
- Harrison, R. A., Pearce, G., & Skumanich, A., "The Solar-Stellar Connection: The Relationship between Flaring Rates, Flare Power, and Quiescent X-Ray Background", 1988ApJ...332.1058H ADS
- Lites, B. W., Skumanich, A., Rees, D. E., & Murphy, G. A., "Stokes Profile Analysis and Vector Magnetic Fields. IV. Synthesis and Inversion of the Chromospheric MG i B Lines", 1988ApJ...330...493L ADS
- Faurobert, M., Frisch, H., & Skumanich, A., "A Model for the Penetration of Lyman Alpha in the Solar Chromosphere", 1988ApJ...328...856F ADS
- Skumanich, A. & Lites, B. W., "The Polarization Properties of Model Sunspots: The Broad-Band Polarization Signature of the Schlueter-Temesvary Representation", 1987ApJ...322...483S ADS
- Skumanich, A. & Lites, B. W., "Stokes Profile Analysis and Vector Magnetic Fields. I. Inversion of Photospheric Lines", 1987ApJ...322...473S ADS
- Lites, B. W., Skumanich, A., Rees, D. E., Murphy, G. A., & Carlsson, M., "Stokes Profile Analysis and Vector Magnetic Fields. III. Extended Temperature Minima of Sunspot Umbrae as Inferred from Stokes Profiles of MG i lambda 4571", 1987ApJ...318...930L ADS
- Lites, B. W., Skumanich, A., & Lundgren, S., "The Vector Magnetic Field Structure of Large Sunspots Observed with Stokes II", 1987BAAS...19...945L ADS
- Murphy, G. A., Rees, D. E., Lites, B. W., & Skumanich, A., "Synthesis and Inversion of the Chromospheric Mg I ???-Line Stokes Profiles", 1987BAAS...19...938M ADS
- Jones, H. P., Skumanich, A., & Lemaire, P., "Underluminous Lyman-alpha Emission Associated with Active-Region Magnetic Canopy", 1987BAAS...19...930J ADS
- Faurobert, M., Frisch, H., & Skumanich, A., "The Lyman alpha line in the solar chromosphere: penetrative model and approximations.", 1987PAICz...66...205F ADS
- Skumanich, A. & Lites, B. W., "Radiative Transfer Diagnostics: Understanding Multilevel Transfer Calculations. I. Analysis of the Full Statistical Equilibrium Equations", 1986ApJ...310...419S ADS
- Skumanich, A., "Some Evidence on the Evolution of the Flare Mechanism in Dwarf Stars", 1986ApJ...309...858S ADS
- Young, A., Skumanich, A., & Paylor, V., "Fluorescence-Induced Chromospheric Emission in the Binary V471 TAU", 1986BAAS...18...978Y ADS
- Lites, B. W., Skumanich, A., Rees, D. E., Murphy, G. A., & Carlsson, M., "Extended Temperature Minima of Sunspot Umbrae", 1986BAAS...18...662L ADS
- Skumanich, A., "Some evidence on the evolution of the flare mechanism in dwarf stars.", 1986lasf.conf...414S ADS
- Young, A., Skumanich, A., MacGregor, K., & Temple, S., "The Effect of Extremely Rapid Rotation on Stellar Activity: The Case of Gliese 890", in M. Zeilik and D. M. Gibson (Eds.), Cool Stars, Stellar Systems and the Sun, Vol. 254, 127 1986LNP...254...127Y ADS
- Skumanich, A. & MacGregor, K., "Evolution of activity signatures during the main sequence phase", 1986AdSpr...6h.151S ADS
- Lites, B. W. & Skumanich, A., "The inference of vector magnetic fields from polarization measurements with limited spectral resolution", 1985svmf.nasa...342L ADS
- Skumanich, A. & Lites, B. W., "The effect of line damping, magneto-optics and parasitic light on the derivation of sunspot vector magnetic fields", 1985svmf.nasa...341S ADS
- Skumanich, A., Rees, D. E., & Lites, B. W., "Least squares inversion of Stokes profiles in the presence of velocity gradients", 1985svmf.nasa...306S ADS
- Lites, B. W. & Skumanich, A.: 1985, Description and operation of CHISQMO, INVRTS, VOIGEN, VOIGTV, SMEAR, RUFF, AND POSCAR in the Stokes Analysis Program 1985STIN...8530991L ADS
- Skumanich, A. & Lites, B. W., "On The Broad-Band Circular Polarization Signature of Sunspots", 1985BAAS...17R.631S ADS
- Lites, B. W. & Skumanich, A., "The inference of vector magnetic fields from polarization measurements with limited spectral resolution.", 1985NASCP2374...342L ADS
- Skumanich, A. & Lites, B. W., "The effect of line damping, magneto-optics and parasitic light on the derivation of sunspot vector magnetic fields.", 1985NASCP2374...341S ADS
- Skumanich, A., Rees, D. E., & Lites, B. W., "Least squares inversion of Stokes profiles in the presence of velocity gradients.", 1985NASCP2374...306S ADS
- Skumanich, A., "Evidence for a common magnetic driver for flares and quiescent coronae/chromospheres", 1985AuJPh...38...971S ADS
- Skumanich, A. & Lites, B. W., "Radiative transfer diagnostics: Understanding multi-level transfer calculations.", 1985ASIC...152...175S ADS
- Young, A., Skumanich, A., MacGregor, K., & Temple, S., "The Extremely Rapidly Rotating M-Dwarf Star Gliese 890", 1984BAAS...16.1014Y ADS
- Skumanich, A., Young, A., Stauffer, J., & Bopp, B. W., "Behavior of Excess Chromospheric H α Emission in Late-Type Stars & Correlation with Coronal X-ray Emission", 1984BAAS...16...940S ADS
- Skumanich, A.: 1984, Properties of a Rapidly Rotating DME Star & of H-Alpha Anomalous Low-Mass Stars, IUE Proposal ID CCGAS 1984iue.prop.1878S ADS
- Skumanich, A., Lean, J. L., Livingston, W. C., & White, O. R., "The sun as a star - Three-component analysis of chromospheric variability in the calcium K line", 1984ApJ...282...776S ADS
- Young, A., Skumanich, A., & Harlan, E., "Rapid rotation and H alpha emission anomalies among some members of the population of low-mass stars.", 1984ApJ...282...683Y ADS
- Lean, J. L., Livingston, W. C., White, O. R., & Skumanich, A., "Modelling solar spectral irradiance variations at ultraviolet wavelengths.", 1984NASCP2310...253L ADS
- Skumanich, A. & Young, A., "The K2-dwarf V471 Tau: a stellar version of solar variability.", 1984NASCP2310...185S ADS
- Young, A., Skumanich, A., Heller, C., & Temple, S., "The Rapidly-Rotating Field M-Dwarf Gliese 890", in S. L. Balunas and L. Hartmann (Eds.), Cool Stars, Stellar Systems, and the Sun, Vol. 193, 112 1984LNP...193...112Y ADS
- Young, A. & Skumanich, A., "Plage Structure and Activity on the Cool Star Component of the Eclipsing Binary V471 Tau", 1983BAAS...15...917Y ADS

- Lean, J. L. & Skumanich, A., "Variability of the Lyman alpha flux with solar activity", 1983JGR...88.5751L ADS
- Stern, R. A. & Skumanich, A., "Rapid rotation and stellar activity in the triple system HD 165590.", 1983ApJ...267..232S ADS
- Lean, J. L., White, O. R., Livingston, W. C., et al., "A three-component model of the variability of the solar ultraviolet flux: 145-200 nm", 1982JGR...87.10307L ADS
- Fla, T., Skumanich, A., & Osherovich, V. A., "On the magnetic and thermodynamic consequences of the return-flux sunspot model", 1982ApJ...261..700F ADS
- Lites, B. W. & Skumanich, A., "A model of a sunspot chromosphere based on OSO 8 observations", 1982ApJS...49..293L ADS
- Skumanich, A., Osherovich, V. A., & Fla, T., "Temperature-Field Relation and Current Distribution in the Return-Flux Model", 1981BAAS...13..910S ADS
- Stern, R. A. & Skumanich, A., "X-Ray and UV Observations of the Rapidly Rotating Triple System HD 165590", 1981BAAS...13..812S ADS
- Lites, B. W. & Skumanich, A., "An empirical view of the chromospheric temperature structure above a sunspot umbra", 1981phss.conf..152L ADS
- Skumanich, A. & Osherovich, V. A., "On the magnetic field topology in the return-flux sunspot model", 1981phss.conf..104S ADS
- Skumanich, A. & Eddy, J. A., "Aspects of long-term variability in sun and stars.", 1981ASJC...68..349S ADS
- Skumanich, A. & Lites, B. W., "OSO-8 Observations of the Sunspot Chromosphere", 1980BAAS...12..896S ADS
- Jones, H. P. & Skumanich, A., "The Physical Effects of Radiative Transfer in Multidimensional Media Including Models of the Solar Atmosphere", 1980ApJS...42..221J ADS
- Skumanich, A., "Chromospheric (Ca+KH) and Coronal (X-ray) Activity-Rotation Relations In Late-Type Spectroscopic Binaries and Main Sequence Stars.", 1979BAAS...11R.624S ADS
- Skumanich, A., Gaizauskas, V., & Ku, W. H., "A Comparison of the 19 April 1977 Two Ribbon Disk Flare with X-ray Flares Observed at the Limb", 1979BAAS...11..410S ADS
- Lemaire, P., Charra, J., Jouchoux, A., et al., "Calibrated full disk solar H I Lyman-alpha and Lyman-beta profiles.", 1978ApJ...223L..55L ADS
- Bonnet, R. M., Lemaire, P., Vial, J. C., et al., "The LPSP instrument on OSO 8. II. In-flight performance and preliminary results.", 1978ApJ...221.1032B ADS
- Lemaire, P., Skumanich, A., Artzner, G., et al., "Doppler Shifts measured in O VI line from OSO-B observations above and in the vicinity of plage Mc Math 13738.", 1978BAAS...10Q.440L ADS
- Skumanich, A., Jouchoux, A., Castelli, J., et al., "OSO-8 Radio and X-ray observations of the 19 April 1977 flare.", 1978BAAS...10..441S ADS
- Skumanich, A., "Non-LTE diagnostics", 1977MmSAI...48..375S ADS
- Jouchoux, A., Skumanich, A., Bonnet, R. M., et al., "EUV observations of class-C X-ray flare by the LPSP (Laboratoire de Physique Stellaire et Planétaire du Centre National de la Recherche Scientifique) spectrometer on OSO-8.", 1977BAAS...9..432J ADS
- Skumanich, A., Jouchoux, A., Artzner, G., et al., "Extreme-Ultraviolet Observations of New Cycle Sunspots with the LPSP Spectrometer from OSO-8", 1977BAAS...9..340S ADS
- Lemaire, P., Artzner, G., Bonnet, R. M., et al., "Solar OVI Profiles as Observed by the French Experiment Aboard OSO-8", 1976BAAS...8R.331L ADS
- Vial, J. C., Leibacher, J., Lemaire, P., et al., "Periodic temporal phenomena in the solar chromosphere as observed from OSO-8 (LPSP).", 1976BAAS...8..397V ADS
- Bonnet, R. M., Artzner, G., Leibacher, J., et al., "Spatial variations of solar profiles of Ca H and K, Mg h and k, and Lyman alpha and beta (H I) resonance lines as observed from OSO-8 (LPSP).", 1976BAAS...8..397B ADS
- Artzner, G., Skumanich, A., Bonnet, R. M., et al., "Evolution of sunspot and active region morphology as observed on the resonance lines of Ca (K, H), Mg (k, h), hydrogen (Lalpha, Lbeta), and O VI from OSO-8 (LPSP).", 1976BAAS...8..397A ADS
- Vial, J. C., Artzner, G., Bonnet, R. M., et al., "Prominence Observations with the OSO-8 French Experiment", 1976BAAS...8..344V ADS
- Artzner, G., Bonnet, R. M., Leibacher, J., et al., "OSO-8 Observations of the EUV Chromospheric Network", 1976BAAS...8..332A ADS
- Skumanich, A., Smythe, C., & Frazier, E. N., "On the statistical description of inhomogeneities in the quiet solar atmosphere. I. Linear regression analysis and absolute calibration of multichannel observations of the Ca emission network.", 1975ApJ...200..747S ADS
- Skumanich, A., "Characteristic Relaxation Times for Non-LTE Atmospheres.", 1975BAAS...7Q.257S ADS
- Liu, S. Y. & Skumanich, A., "An empirical interpretation for the time evolution of the Ca II K line", 1974SoPh...38..109L ADS
- Liu, S.-Y. & Skumanich, A., "An Empirical Interpretation for the Time Evolution of the Ca II K Line", 1974BAAS...6T.290L ADS
- Jones, H. P. & Skumanich, A., "The Formation of Resonance Lines in Multidimensional Media. II. Radiation Operators and Their Numerical Representation", 1973ApJ...185..167J ADS
- Barkstrom, B. R. & Skumanich, A., "A New Method for Initializing Non-LTE Statistical Equilibrium Problems.", 1973BAAS...5..455B ADS
- Barkstrom, B. R. & Skumanich, A., "On the Representation of the Lambda Operator in the Integral Equation (Green's Function) Approach to Non-LTE Spectral Line Formation.", 1973BAAS...5..337B ADS
- Lemaire, P. & Skumanich, A., "Magnesium II Doublet Profiles of Chromospheric Inhomogeneities at the Center of The Solar Disk", 1973BAAS...5R.275L ADS
- Lemaire, P. & Skumanich, A., "Magnesium II Doublet Profiles of Chromospheric Inhomogeneities at the Center of the Solar Disk", 1973A&A...22...61L ADS
- Skumanich, A., Smythe, C., & Frazier, E. N., "On the Quantitative Description of the Fluctuating Solar Atmosphere. I. Regression Analysis and Calibration of Multi-channel Observations", 1972BAAS...4W.391S ADS
- Skumanich, A., "Time Scales for Ca II Emission Decay, Rotational Braking, and Lithium Depletion", 1972ApJ...171..565S ADS
- Athay, R. G. & Skumanich, A., "Thermalization Lengths and Mean Numbers of Scatterings for Line Photons", 1972lfp.conf..167A ADS
- Athay, R. G. & Skumanich, A., "Thermalization Lengths and Mean Numbers of Scatterings for Line Photons", 1971ApJ...170..605A ADS
- Skumanich, A., "Time Scales for CaII Emission Decay, Rotational Braking and Lithium Depletion.", 1971BAAS...3Q.455S ADS
- Poland, A., Skumanich, A., Athay, R. G., & Tandberg-Hanssen, E., "Hydrogen Ionization and n=2 Population for Model Spicules and Prominences", 1971SoPh...18..391P ADS
- Poland, A. & Skumanich, A., "-Non-LTE effects for He I in early B type stars", 1971MNRAS.152P..18P ADS
- Skumanich, A. & Domenico, B. A., "On the application of the generalized Newton-Raphson method in radiative transfer problems.", 1971JQSRT...11..547S ADS
- Domenico, B. A., Poland, A. I., & Skumanich, A., "On the Application of the Newton-Raphson Method to the Excitation and Transfer of Continuum Radiation", 1971BAAS...3...9D ADS
- Poland, A., Athay, R. G., Skumanich, A., & Tandberg-Hanssen, E., "The Ionization Equilibrium and the N = 2 Population of Hydrogen in Quiescent Prominences", 1970BAAS...2R.338P ADS
- Domenico, B. A. & Skumanich, A., "An Application of the Generalized Newton-Raphson Method to the Multilevel Line Transfer Problem", 1970BAAS...2R.309D ADS
- Skumanich, A., "On the Existence of a Purely Radiative Temperature Rise in the Solar Chromosphere", 1970ApJ...159.1077S ADS
- Vaughan, A. H., J. & Skumanich, A., "Circumstellar CAII K Lines in g, K and M Giants and Supergiants", 1970sfss.coll..295V ADS
- Jones, H. P. & Skumanich, A., "Line Formation in Multi-Dimensional Media", 1970sfss.coll..138J ADS
- Jones, H. P. & Skumanich, A., "Line Formation in Multidimensional Media", 1969BAAS...1S.281J ADS
- Avery, L. W., House, L. L., & Skumanich, A., "Radiative transport in finite homogeneous cylinders by the Monte Carlo technique.", 1969JQSRT...9..519A ADS
- Athay, R. G. & Skumanich, A., "Theoretical Line Intensities. VII. Wavelength and Depth Dependence of Line-Blanketing Effects for Pure Absorption and Non-Coherent Scattering", 1969ApJ...155..273A ADS
- Skumanich, A., "On the Application of the Newton-Raphson Method to Non-Linear Line Transfer", 1968r1a.conf..475S ADS
- Jones, H. P. & Skumanich, A., "Line Formation in Multi-Dimensional Media", 1968r1a.conf..79J ADS
- Athay, R. G. & Skumanich, A., "Emission Cores in H and K Lines. IV: Center-to-Limb Variation", 1968SoPh...4..176A ADS
- Durney, B. & Skumanich, A., "Non-Radial Oscillations of Slowly Rotating Polytropes", 1968ApJ...152..255D ADS
- Athay, R. G. & Skumanich, A., "Theoretical Line Intensities.VI. Milne-Eddington Curves of Growth for Non-Coherent Scattering", 1968ApJ...152..211A ADS
- Athay, R. G. & Skumanich, A., "Emission Cores in h- and K-Lines III. The Wilson-Bappu Effect", 1968ApJ...152..141A ADS
- Athay, R. G. & Skumanich, A., "Emission Cores in H and K Lines. I: The Optically Thick Chromosphere", 1968SoPh...3..181A ADS
- Jones, H. P., Domenico, B. A., & Skumanich, A., "Statistical Equilibrium for a Multilevel Model of Calcium in the Solar Chromosphere.", 1968AJS...73S..66J ADS
- Athay, R. G. & Skumanich, A., "Frequency-Dependent Line Source Functions.", 1968AJS...73S..2A ADS
- Skumanich, A., "On the Empirical Determination of Doppler Widths.", 1968AJS...73R.202S ADS

Athay, R. G. & Skumanich, A., "Wavelength and Depth Dependence of Line Blanketing Effects for Pure Absorption and Noncoherent Scattering.", 1968AJS...73Q...3A [ADS](#)

Athay, R. G. & Skumanich, A., "Broadening of H and K Emission Cores and the Wilson-Bappu Effect.", 1967AJ.....72..784A [ADS](#)

Athay, R. G. & Skumanich, A., "An integral equation for the line source function and its numerical solution", 1967AnAp...30..669A [ADS](#)

Skumanich, A., "Interpolation Laws for Chromospheric Ca II (Mg II) K or H Line Source Function for Complete Redistribution.", 1967AJ.....72T.828S [ADS](#)

Skumanich, A., "Numerical solution of the equation of transfer for a two-level atom when treated as a two-point boundary value problem", 1966AJ.....71R.871S [ADS](#)

Wilson, O. C. & Skumanich, A., "Chromospheric Activity as a Function of Age in Main-Sequence Stars", 1966IAUS...24...40W [ADS](#)

Skumanich, A., "Population Differences among Bright G Dwarfs and CA II Emission Reversals.", 1965AJ.....70S.692S [ADS](#)

Wilson, O. C. & Skumanich, A., "Dependence of Chromospheric Activity upon Age in Main-Sequence Stars: Additional Evidence.", 1964ApJ...140.1401W [ADS](#)

Skumanich, A., "On Thermal Convection in a Polytopic Atmosphere.", 1955ApJ...121..408S [ADS](#)

Skumanich, A., "On Bright-Dark Symmetry of Solar Granulation.", 1955ApJ...121..404S [ADS](#)

Skumanich, A., "Thermo-convection in a polytropic atmosphere.", 1955AJ.....60Q.179S [ADS](#)

van Wijk, U., Rogerson, J. B., & Skumanich, A., "The eclipsing variable GL Carinae.", 1955AJ.....60...95V [ADS](#)

Skumanich, A.: 1954, "Studies on solar granulation (Parts I and II)", Ph.D. thesis, Princeton University, New Jersey 1954PhDT.....1S [ADS](#)

Vyssotsky, A. N. & Skumanich, A., "Concerning population groups among G and K stars", 1953AJ.....58...96V [ADS](#)

Spitzer, Lyman, J. & Skumanich, A., "Internal Motions Within Interstellar Clouds.", 1952ApJ...116..452S [ADS](#)