

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

- Gough, D., "The Privileged Life of a Theoretical Observer", 2022SoPh...297...95G ADS
- Gough, D. O., Proctor, M. R. E., & Tobias, S. M., "Nigel Weiss (1936-2020)", 2020A&G...61e5.11G ADS
- Gough, D., "Michael", 2020ASSP...57...21G ADS
- Gough, D. O., "Anticipating the perception of the solar tachocline", 2019EAS...82...295G ADS
- Scherrer, P. H. & Gough, D., "What do we reliably know about how fast the Sun's core spins?", 2019AAS...23430206S ADS
- Gough, D. O., "Anticipating the Sun's heavy-element abundance", 2019MNRAS.485L.114G ADS
- Scherrer, P. H. & Gough, D. O., "A Critical Evaluation of Recent Claims Concerning Solar Rotation", 2019ApJ...877...42S ADS
- Christensen-Dalsgaard, J., Gough, D. O., & Knudstrup, E., "On the hydrostatic stratification of the solar tachocline", 2018MNRAS.477.3845C ADS
- Aarslev, M. J., Christensen-Dalsgaard, J., Lund, M. N., Silva Aguirre, V., & Gough, D., "A fitting LEGACY - modelling Kepler's best stars", 2017EPJWC.16003010A ADS
- Gough, D., "Salvete", 2017EPJWC.16000003G ADS
- Gough, D. O., "Is the Sun a Magnet?", 2017SoPh...292...70G ADS
- Gough, D. O., "Some Glimpses from Helioseismology at the Dynamics of the Deep Solar Interior", in M. J. Thompson, A. S. Brun, J. L. Culhane, L. Gizon, M. Roth, and T. Sekii (Eds.), Helioseismology and Dynamics of the Solar Interior. Series: Space Sciences Series of ISSI, Vol. 48, 21-53 2017hdsi.book...21G ADS
- Svalgaard, L., Gough, D. O., & Scherrer, P. H., "The Olsen Rotating Dipole, Revisited", 2016AGUFM3H31B2548S ADS
- Gough, D. O., "Some Glimpses from Helioseismology at the Dynamics of the Deep Solar Interior", 2015SSRv...196...15G ADS
- Sturrock, P. A., Bush, R., Gough, D. O., & Scargle, J. D., "Indications of R-mode Oscillations in SOHO/MDI Solar Radius Measurements", 2015ApJ...804...47S ADS
- Gough, D., "A personal view of the scientific career of Wojtek Dziembowski (perceived by an admirer from abroad)", 2014IAUS...301...3G ADS
- Gough, D. O., "A remark on the vertical transport of large-scale temperature fluctuations by smaller-scale convection", 2013EAS...63...255G ADS
- Gough, D., "Sylvie Vaclair", 2013EAS...63...5G ADS
- Gough, D. O., "Shocking Remarks on Stellar Pulsation", 2013ASPC...479...355G ADS
- Gough, D. O., "Commentary on a putative magnetic field variation in the solar convection zone", 2013MNRAS.435.3148G ADS
- Gough, D., "What Have We Learned from Helioseismology, What Have We Really Learned, and What Do We Aspire to Learn?", 2013SoPh...287...9G ADS
- Antia, H. M., Chitre, S. M., & Gough, D. O., "On the magnetic field required for driving the observed angular-velocity variations in the solar convection zone", 2013MNRAS.428..470A ADS
- Gough, D., "How Oblate Is the Sun?", 2012Sci...337.1611G ADS
- Gough, D. O., "Heliophysics Gleaned from Seismology", 2012ASPC...462..429G ADS
- Gough, D., "Pattern formation in rapidly oscillating peculiar A stars", 2012GapFD.106..429G ADS
- Gough, D. O., "On Estimating Fluxes due to Small-Scale Turbulent Convection in a Rotating Star", 2012ISRAA2012E...2G ADS
- Gough, D., "Towards a theory of rapidly oscillating Ap stars", 2011arXiv1112.0863G ADS
- Houdek, G. & Gough, D. O., "On the seismic age and heavy-element abundance of the Sun", 2011MNRAS.418.1217H ADS
- Smolec, R., Houdek, G., & Gough, D. O., "Nonlocal model for the turbulent fluxes due to thermal convection in rectilinear shearing flow", 2011arXiv1112.0014S ADS
- Gough, D., "What have we learned, what have we really learned, and what do we wish to learn?", 2011sdmi.confE...40G ADS
- Byington, B., Stone, J., Brummel, N., & Gough, D., "Stoked Dynamos: Magnetic Feeding of Dynamos and Nondynamos", 2011sdmi.confE...18B ADS
- Gough, D., "Closing Remarks", 2011iasa.confE...44G ADS
- Gough, D.: 2011b, The Scientific Legacy of Fred Hoyle 2011s1fh.book...G ADS
- White, T. R., Bedding, T. R., Stello, D., et al., "Variability in mode amplitudes in the rapidly oscillating Ap star HR 1217", 2011MNRAS.415.1638W ADS
- Smolec, R., Houdek, G., & Gough, D., "Modelling turbulent fluxes due to thermal convection in rectilinear shearing flow", 2011IAUS...271...397S ADS
- Gough, D., "Some recent and future helioseismological inferences concerning the solar convection zone", 2011IAUS...271...3G ADS
- Gough, D. O., "Bridges between helioseismological and asteroseismological inference", 2011arXiv1107.5089G ADS
- Gough, D., "History: Catching up with the Sun", 2010Natur.468..504G ADS
- Gough, D. & Hindman, B. W., "Helioseismic Detection of Deep Meridional Flow", 2010ApJ...714..960G ADS
- Appourchaux, T., Belkacem, K., Broomhall, A. M., et al., "The quest for the solar g modes", 2010A&ARv...18..197A ADS
- Gough, D. O., "Angular-Momentum Coupling Through the Tachocline", 2010ASSP...19...68G ADS
- Gough, D. O., "Vainu Bappu Memorial Lecture: What is a Sunspot?", 2010ASSP...19...37G ADS
- Mussack, K. & Gough, D., "Measuring Solar Abundances with Seismology", 2009ASPC...416..203M ADS
- Houdek, G. & Gough, D. O., "Seismic signature of helium ionization in the Sun and stars", 2009arXiv0911.5044H ADS
- Houdek, G. & Gough, D. O., "Further progress on solar age calibration", 2009CoAst.159...27H ADS
- Chaplin, W. J., Appourchaux, T., Arentoft, T., et al., "AsteroFLAG - from the Sun to the stars", 2008JPhCS.118a2048C ADS
- Houdek, G. & Gough, D. O., "Progress report on solar age calibration", 2008IAUS...252..149H ADS
- Shibahashi, H., Gough, D., Kurtz, D. W., & Kambe, E., "Shock Waves and Line-Profile Variation in roAp Stars", 2008PASJ...60...63S ADS
- Antia, H. M., Chitre, S. M., & Gough, D. O., "Temporal variations in the Sun's rotational kinetic energy", 2008A&A...477..657A ADS
- Houdek, G. & Gough, D. O., "On the Seismic Age of the Sun", 2007AIPC...948..219H ADS
- Antia, H. M., Chitre, S. M., & Gough, D. O., "The Inconstant Sun", 2007AIPC...948..133A ADS
- Gough, D. O., "Discussion on solar-like oscillators and γ Doradus stars", 2007CoAst.150..155G ADS
- Houdek, G. & Gough, D. O., "An asteroseismic signature of helium ionization", 2007MNRAS.375..861H ADS
- Gough, D. O., "An elementary introduction to the JWKB approximation", 2007AN...328..273G ADS
- Gough, D., "An introduction to the solar tachocline", 2007sota.conf...3G ADS
- Houdek, G. & Gough, D. O., "On seismic signatures of rapid variation", 2006ESASP.624E..88H ADS
- Turck-Chièze, S., Schmutz, W., Thuillier, G., et al., "The DynamICS perspective", 2006ESASP.624E..24T ADS
- Elsworth, Y. P., Baudin, F., Chaplin, W., et al., "The internal structure of the Sun inferred from g modes and low-frequency p modes", 2006ESASP.624E..22E ADS
- Turck-Chièze, S., Schmutz, W., Thuillier, G., et al., "The EUV Variability Experiment (EVE) on the Solar Dynamics Observatory (SDO): Science Plan and Instrument Overview", 2006ESASP.617E.165W ADS
- Turck-Chièze, S., Schmutz, W., Thuillier, G., et al., "Scientific Objectives of the Novel Formation Flying Mission Aspiics", 2006ESASP.617E.164L ADS
- Turck-Chièze, S., Schmutz, W., Thuillier, G., et al., "The Dynamics Project", 2006ESASP.617E.162T ADS
- Appourchaux, T., Andersen, B., Baudin, F., et al., "Recent Progresses on g-Mode Search", 2006ESASP.617E...2A ADS
- Gough, D., "Helioseismological Determination of the State of the Solar Interior", 2006ESASP.617E...1G ADS
- Dziembowski, W., Gautschy, A., & Gough, D., "Obituary: Norman Hodgson Baker Jr (1931 - 2005)", 2006MmSAI...77...33D ADS
- Chaplin, W. J., Houdek, G., Elsworth, Y., et al., "On model predictions of the power spectral density of radial solar p modes", 2005MNRAS.360..859C ADS
- Gough, D.: 2005, The Scientific Legacy of Fred Hoyle 2005s1fh.book...G ADS
- Hindman, B. W., Gough, D., Thompson, M. J., & Toomre, J., "Helioseismic Ring Analyses of Artificial Data Computed for Two-dimensional Shearing Flows", 2005ApJ...621..512H ADS
- Chaplin, W. J., Sekii, T., Elsworth, Y., & Gough, D. O., "On the detectability of a rotation-rate gradient in the solar core", 2004MNRAS.355..535C ADS
- Shibahashi, H., Kurtz, D. W., Kambe, E., & Gough, D. O., "How to interpret LPV in roAp stars", 2004IAUS...224..829S ADS
- , "Equation-of-State and Phase-Transition in Models of Ordinary Astrophysical Matter", 2004AIPC...731...C ADS
- Houdek, G. & Gough, D. O., "The Effect of Helium Ionization on Stellar Eigenfrequencies", 2004ESASP.559..464H ADS
- Gough, D., "The power of helioseismology to address issues of fundamental physics", 2004AIPC...731..119G ADS
- Shibahashi, H., Kurtz, D., Kambe, E., & Gough, D., "Line profile variations in γ Equ: A puzzle", 2004ASPC...310..287S ADS

- Gough, D., "What we need to know about the Sun", 2004IAUS...223...723G ADS
- Gough, D., "Some remarks on solar neutrinos", 2003Ap&SS.285...341G ADS
- Takata, M. & Gough, D. O., "The seismic radius of the Sun, and structure inversions", 2003ESASP.517...397T ADS
- Montgomery, M. H. & Gough, D. O., "On the Effect of a Starspot on the Modes of Oscillation of a Toy Ap Star Model", 2003aahd.conf...545M ADS
- Gough, D., "On the Principal Asteroseismic Diagnostic Signatures", 2003Ap&SS.284...165G ADS
- Gough, D., "Some Remaining Open Questions and Directions for Future Research", 2003ASPC...305...389G ADS
- Houdek, G. & Gough, D. O., "Modelling pulsation amplitudes of ξ Hydrae", 2002MNRAS.336L...65H ADS
- Gough, D. O. & Sekii, T., "On the effect of error correlation on linear inversions", 2002MNRAS.335...170G ADS
- Gabriel, A. H., Baudin, F., Boumier, P., et al., "A search for solar g modes in the GOLF data", 2002A&A...390.1119G ADS
- Gough, D. O., "How is solar activity influencing the structure of the Sun?", 2002ESASP.508...577G ADS
- Gough, D. O. & Scherrer, P. H., "The solar interior", in J. A. Bleeker, J. Geiss, and M. C. E. Huber (Eds.), The Century of Space Science, Volume I, 1035 2002css1.book.1035G ADS
- Gough, D. O., "Helioseismology: some current issues concerning model calibration", 2002ESASP.485...65G ADS
- Gough, D. O., "On the Hydrodynamics of Stellar Pulsation and Stability (invited review)", 2002ASPC...259...37G ADS
- Gough, D. O., "Reminiscences on Two Papers by Paul Ledoux", 2002ASPC...259...12G ADS
- Dziembowski, W. A., Gough, D. O., Houdek, G., & Sienkiewicz, R., "Oscillations of α UMa and other red giants", 2001MNRAS.328...601D ADS
- Houdek, G., Chaplin, W. J., Appourchaux, T., et al., "Changes in convective properties over the solar cycle: effect on p-mode damping rates", 2001MNRAS.327...483H ADS
- Christensen-Dalsgaard, J. & Gough, D. O., "On the dipolar f mode of stellar oscillation", 2001MNRAS.326.1115C ADS
- Turck-Chièze, S., Couvidat, S., Kosovichev, A. G., et al., "Solar Neutrino Emission Deduced from a Seismic Model", 2001ApJ...555L...69T ADS
- Gough, D. O., "Meeting contribution: Making a lens in the Sun", 2001JBAA...111...166G ADS
- Gough, D. O., "Inhomogeneity in the solar core", 2001SoPh...200...297G ADS
- Balmforth, N. J., Cunha, M. S., Dolez, N., Gough, D. O., & Vaclair, S., "On the excitation mechanism in roAp stars", 2001MNRAS.323...362B ADS
- Lopes, I. P. & Gough, D., "Seismology of stellar envelopes: probing the outer layers of a star through the scattering of acoustic waves", 2001MNRAS.322...473L ADS
- Gough, D., "Solar physics: Sizing up the Sun", 2001Natur.410...313G ADS
- Houdek, G. & Gough, D. O., "Towards a Generalization of a Mixing-length Model for Nonradially Pulsating Stars: Convection in a Shear", 2001IAUS...203...115H ADS
- Gough, D. O., "The New Era in Helioseismology", 2001IAUS...203...3G ADS
- Gough, D. O. & Houdek, G., "Mixing-length analysis of Rayleigh-Bénard convection in the presence of a shear", 2001ESASP.464...637G ADS
- Fröhlich, C., Appourchaux, T., & Gough, D. O., "Dependence on azimuthal order of the amplitudes of low-degree p modes", 2001ESASP.464...629F ADS
- Takata, M. & Gough, D. O., "The influence of uncertainties in the Sun's radius on inversions for the solar structure", 2001ESASP.464...543T ADS
- Appourchaux, T., Andersen, B., Berthomieu, G., et al., "g-mode detection: Where do we stand?", 2001ESASP.464...467A ADS
- Cunha, M. S. & Gough, D., "The opacity mechanism in roAp stars", 2001ESASP.464...419C ADS
- Gough, D. O., Sekii, T., & Toomre, J., "Comparison of phase inversion and time-distance analysis of one-dimensional artificial seismic data", 2001ESASP.464...207G ADS
- Gough, D. O., "Lessons Learned From Solar Oscillations", 2001ASPC...245...31G ADS
- Gough, D. O., "Solar Structure After Neutrinos and Helioseismology (CD-ROM Directory: contribs/gough)", 2001ASPC...223...83G ADS
- Cunha, M. S. & Gough, D., "Magnetic perturbations to the acoustic modes of roAp stars", 2000MNRAS.319.1020C ADS
- Appourchaux, T., Chang, H. Y., Gough, D. O., & Sekii, T., "On measuring low-degree p-mode frequency splitting with full-disc integrated data", 2000MNRAS.319...365A ADS
- Gough, D. O., Sekii, T., & Toomre, J., "Phase inversion of one-dimensional artificial seismic data", 2000SoPh...195...1G ADS
- Baturin, V. A., Däppen, W., Gough, D. O., & Vorontsov, S. V., "Seismology of the solar envelope: sound-speed gradient in the convection zone and its diagnosis of the equation of state", 2000MNRAS.316...71B ADS
- Appourchaux, T., Fröhlich, C., Andersen, B., et al., "Observational Upper Limits to Low-Degree Solar g-Modes", 2000ApJ...538...401A ADS
- Gough, D., "Towards Understanding Solar Convection and Activity - (Invited Review)", 2000SoPh...192...3G ADS
- Gough, D., "News from the Solar Interior", 2000Sci...287.2434G ADS
- Brüggen, M. & Gough, D. O., "Free energy of a screened ion pair", 2000JMP...41...260B ADS
- Gough, D., "Some Remarks on Stellar Pulsation", 2000ASPC...203...529G ADS
- Balmforth, N. J., Cunha, M. S., Dolez, N., Gough, D. O., & Vaclair, S., "Excitation Mechanism in roAp Stars", 2000ASPC...203...453B ADS
- Jordinson, C. & Gough, D. O., "The Effect of the Solar Cycle on the Resonant Coupling of g Modes", 2000ASPC...203...390J ADS
- Houdek, G., Balmforth, N. J., Christensen-Dalsgaard, J., & Gough, D. O., "Amplitudes of stochastically excited oscillations in main-sequence stars", 1999A&A...351...582H ADS
- Gough, D. O., "Helioseismology and solar neutrinos", 1999NuPhS...77...81G ADS
- Elliott, J. R. & Gough, D. O., "Calibration of the Thickness of the Solar Tachocline", 1999ApJ...516...475E ADS
- Kawaler, S. D., Sekii, T., & Gough, D., "Prospects for Measuring Differential Rotation in White Dwarfs through Asteroseismology", 1999ApJ...516...349K ADS
- Houdek, G. & Gough, D. O., "Solar Convection and the Activity Cycle", 1999soho...9E...65H ADS
- Hindman, B. W., Gough, D. O., Haber, D. A., Thompson, M. J., & Toomre, J., "Simulation of Wave Fields to Assess the Sensitivity of Ring-Diagram Analyses to Shearing Flows", 1999soho...9E...64H ADS
- Gough, D., "Understanding Solar Convection and Activity", 1999soho...9E...32G ADS
- Gough, D. O., Sekii, T., & Toomre, J., "Phase Inversion of One-Dimensional Artificial Seismic Data", 1999soho...9E...30G ADS
- Houdek, G., Balmforth, N. J., Christensen-Dalsgaard, J., & Gough, D. O., "On the Location of the Instability Strip", 1999ASPC...173...317H ADS
- Houdek, G. & Gough, D. O., "Turbulent Convection beyond Mixing-Length Models", 1999ASPC...173...237H ADS
- Gough, D. O., "Inversion for the internal structure and rotation of the Sun and other sun-like stars", 1998mons.proc...33G ADS
- Schou, J., Antia, H. M., Basu, S., et al., "Helioseismic Studies of Differential Rotation in the Solar Envelope by the Solar Oscillations Investigation Using the Michelson Doppler Imager", 1998ApJ...505...390S ADS
- Chang, H. Y. & Gough, D. O., "On the Power Distribution of Solar p MODES", 1998SoPh...181...251C ADS
- Gough, D. O. & McIntyre, M. E., "Inevitability of a magnetic field in the Sun's radiative interior", 1998Natur.394...755G ADS
- Gough, D., Merryfield, W. J., & Toomre, J., "Phase Inversion: Inferring Solar Subphotospheric Flow and Other Asphericity from the Distortion of Acoustic Waves", 1998ApJ...501...882G ADS
- Gough, D., "On the Composition of the Solar Interior Rapporteur Paper F", 1998SSRv...85...141G ADS
- Christensen-Dalsgaard, J. & Gough, D. O., "The Sun is not severely deficient in heavy elements", 1998obs...118...25C ADS
- Gough, D., "On the Composition of the Solar Interior", 1998sce...conf...141G ADS
- Gizon, L., Appourchaux, T., & Gough, D. O., "LOI/SOHO constraints on oblique rotation of the solar core", 1998IAUS...185...37G ADS
- Cunha, M. S., Brüggen, M., & Gough, D. O., "On Solar Frequency Changes", 1998ESASP.418...905C ADS
- Gough, D. O., Sekii, T., & Toomre, J., "Some Comments on Phase Inversions", 1998ESASP.418...789G ADS
- Gough, D. O. & Sekii, T., "On the Influence of Unaccounted Error Correlations of Linear Inversions", 1998ESASP.418...787G ADS
- Elliott, J. R., Gough, D. O., & Sekii, T., "Helioseismic Determination of the Solar Tachocline Thickness", 1998ESASP.418...763E ADS
- Lopes, I. & Gough, D., "Calibrating the Upper Convective Boundary Layer of the Sun using MDI/SOI Data", 1998ESASP.418...485L ADS
- Houdek, G. & Gough, D. O., "On the Effect of Acoustical Radiation on Convection in Solar-type Stars", 1998ESASP.418...479H ADS
- Appourchaux, T., Andersen, B., Chaplin, W., et al., "Comparative Studies of Low-Order and Low-Degree Solar p Modes", 1998ESASP.418...95A ADS
- Scherrer, P. H., Schou, J., Bogart, R. S., et al., "Rotation and Zonal Flows in the Solar Envelope from the SOHO/MDI Observations", 1997AAS...191.7310S ADS
- Brüggen, M. & Gough, D. O., "On Electrostatic Screening of Ions in Astrophysical Plasmas", 1997ApJ...488...867B ADS

- Gough, D., "Obituaries: Roger John Tayler", 1997PhT...50i...98G ADS
- Gough, D., "Solar physics: Gravity waves with a new spin", 1997Natur.388..324G ADS
- Gough, D. O., "Essay review The Sun as seen by a stellar physicist", 1997ConPh..38..431G ADS
- Kosovichev, A. G., Schou, J., Scherrer, P. H., et al., "Structure and Rotation of the Solar Interior: Initial Results from the MDI Medium-L Program", 1997SoPh..170...43K ADS
- Fröhlich, C., Andersen, B. N., Appourchaux, T., et al., "First Results from VIRGO, the Experiment for Helioseismology and Solar Irradiance Monitoring on SOHO", 1997SoPh..170...1F ADS
- Gough, D., "Sounding solar and stellar interiors: Conclusion and prospects", 1997IAUS..181..397G ADS
- Kosovichev, A. G., Schou, J., Scherrer, P. H., et al., "Internal structure and rotation of the Sun: First results from MDI data", 1997IAUS..181..203K ADS
- Appourchaux, T., Sekii, T., Gough, D., et al., "Structure inversions with the VIRGO data", 1997IAUS..181..159A ADS
- Anderson, E., Antia, H. M., Basu, S., et al., "The seismic structure of the Sun from GONG", 1997IAUS..181..151A ADS
- Fröhlich, C., Andersen, B. N., Appourchaux, T., et al., "First results from VIRGO on SoHO", 1997IAUS..181...67F ADS
- Gough, D. O., "Asteroastroseismology", 1996obs...116..313G ADS
- Thompson, M. J., Toomre, J., Anderson, E. R., et al., "Differential Rotation and Dynamics of the Solar Interior", 1996Sci...272.1300T ADS
- Gough, D. O., Kosovichev, A. G., Toomre, J., et al., "The Seismic Structure of the Sun", 1996Sci...272.1296G ADS
- Christensen-Dalsgaard, J., Dappen, W., Ajukov, S. V., et al., "The Current State of Solar Modeling", 1996Sci...272.1286C ADS
- Gough, D. O., Leibacher, J. W., Scherrer, P. H., & Toomre, J., "Perspectives in Helioseismology", 1996Sci...272.1281G ADS
- Gough, D. O., Kosovichev, A. G., & GONG Structure Inversions Team, "The Internal Structure of the Sun", 1996AAS...188.5303G ADS
- Gough, D. O., Sekii, T., & Stark, P. B., "Inferring Spatial Variation of Solar Properties from Helioseismic Data", 1996ApJ...459..779G ADS
- Badiali, M., Catala, C., Favata, F., et al.: 1996, STARS - Seismic Telescope for Astrophysical Research from Space. Report on the phase A study. 1996star.book...B ADS
- Gough, D., "Testing solar models: the inverse problem.", 1996tsu.conf..141G ADS
- Gough, D., "The Success Story of the Transfer and Development of Methods from Geophysics to Helioseismology", 1996imie.conf...1G ADS
- Balmforth, N. J., Gough, D. O., & Merryfield, W. J., "Structural changes to the Sun through the solar cycle", 1996MNRAS.278..437B ADS
- Badiali, M., Catala, C., Favata, F., et al., "STARS: Seismic Telescope for Astrophysical Research from Space", 1996ESADS...4...1B ADS
- Fröhlich, C., Romero, J., Roth, H., et al., "VIRGO: Experiment for Helioseismology and Solar Irradiance Monitoring", 1995SoPh..162..101F ADS
- Gabriel, A. H., Grec, G., Charra, J., et al., "Global Oscillations at Low Frequency from the SOHO Mission (GOLF)", 1995SoPh..162...61G ADS
- Elsworth, Y., Howe, R., Isaak, G. R., et al., "Slow rotation of the Sun's interior", 1995Natur.376..669E ADS
- Gough, D., "Waves in the wind", 1995Natur.376..120G ADS
- Sekii, T., Genovese, C. R., Gough, D. O., & Stark, P. B., "Observational Constraints on the Internal Solar Angular Velocity", 1995ESASP.376b.279S ADS
- Chang, H. Y. & Gough, D., "Time-Series Analysis of Oscillations with Gaps", 1995ESASP.376b.179C ADS
- Chang, H. Y., Gough, D., & Sekii, T., "On Frequency Determination and Temporal Data Sampling", 1995ESASP.376b.175C ADS
- Julien, K. A., Gough, D. O., & Toomre, J., "Analysis of Helioseismic Wave Fields to Examine Horizontal Structures", 1995ESASP.376b.155J ADS
- Haber, D. A., Toomre, J., Hill, F., & Gough, D. O., "Local-Area Analysis of High-Degree Solar Oscillations: New Ring-Fitting Procedures", 1995ESASP.376b.141H ADS
- Zweibel, E. G. & Gough, D., "Is There a Seismic Signature of the Sun's Magnetic Field?", 1995ESASP.376b..73Z ADS
- Gough, D. O., "On the Elimination of the Influence of Uncertain Surface Layers on Inversions of the Structure and Rotation of the Sun", 1995ESASP.376b..49G ADS
- Gough, D. O. & Kosovichev, A. G., "An Attempt to Measure Latitudinal Variation of the Depth of the Convection Zone", 1995ESASP.376b..47G ADS
- Gough, D. O. & Vorontsov, S. V., "Seismology of the solar envelope: measuring the acoustic phase shift generated in the outer layers", 1995MNRAS.273..573G ADS
- Gough, D. O., Kosovichev, A. G., & Toutain, T., "Constrained Estimates of Low-Degree Mode Frequencies and the Determination of the Interior Structure of the Sun", 1995SoPh..157...1G ADS
- Gough, D. O. & Novotny, E., "A Narrative Computer Programme for Solar Evolution", 1995LIACO..32..369G ADS
- Kosovichev, A. G., Basu, S., Christensen-Dalsgaard, J., et al., "Working Group 9 - Interior Structure and Inversions", 1995ESASP.376a.211K ADS
- Gough, D. O., "The Future of Helioseismology", 1995ESASP.376a.181G ADS
- Gough, D. O., "Prospects for Asteroseismic Inference", 1995ASPC...76..551G ADS
- Chang, H. Y. & Gough, D. O., "On Measuring Solar Frequency Variation", 1995ASPC...76..512C ADS
- Fridlund, M., Gough, D. O., Jones, A., et al., "STARS: A Proposal for a Dedicated Space Mission to Study Stellar Structure and Evolution", 1995ASPC...76..416F ADS
- Gough, D. O. & Sekii, T., "Asymptotic Signatures of Jovian Discontinuities", 1995ASPC...76..374G ADS
- Gough, D. O., "Asymptotic Modal Inertia", 1995ASPC...76..330G ADS
- Rast, M. P. & Gough, D. O., "High-Frequency Oscillations of a Polyropic Layer", 1995ASPC...76..322R ADS
- Appourchaux, T., Toutain, T., Gough, D. O., & Kosovichev, A., "Testing the Statistical Significance of the Asymmetries of p-Mode Line Profiles: Application to the IPHIR Data", 1995ASPC...76..314A ADS
- Haber, D., Toomre, J., Hill, F., & Gough, D., "Solar Oscillation Ring Diagrams: Benefits of Great Circle Remapping", 1995ASPC...76..272H ADS
- Julien, K., Gough, D., & Toomre, J., "Inversion for Background Inhomogeneity from Phase Distortion of Two-Dimensional Wave Fields", 1995ASPC...76..196J ADS
- Gough, D. O., Kosovichev, A. G., & Toutain, T., "Frequencies of Low-Degree Modes and the Structure of the Solar Core", 1995ASPC...76..176G ADS
- Gough, D. O. & Kosovichev, A. G., "Seismic Effects of North-South Asymmetry of Sun's Rotation", 1995ASPC...76..63G ADS
- Sekii, T., Gough, D. O., & Kosovichev, A. G., "Inversions of BBSO Rotational Splitting Data", 1995ASPC...76...59S ADS
- Gough, D. O., Kosovichev, A. G., & Toutain, T., "Constraints on Oblique Rotation of the Solar Core from Low-Degree Modes", 1995ASPC...76...55G ADS
- Elsworth, Y., Howe, R., Isaak, G. R., et al., "Rotational Splitting of Low-Degree Solar P Modes", 1995ASPC...76...43E ADS
- Gough, D., "Helioseismology: A Window into the Sun", 1994AAS...185.3901G ADS
- Gough, D. O., "Seismic Consequence of the Shoemaker-Levy Impact", 1994MNRAS.269L..17G ADS
- Majorowicz, J. A. & Gough, D. I., "A Model of Crustal Conductive Structure In the Canadian Cordillera", 1994GeoJI.117..301M ADS
- Badiali, M., Catala, C., Fossat, E., et al., "On scintillation obfuscation", 1994obs...114...53B ADS
- Rosenthal, C. S. & Gough, D. O., "The Solar f-Mode as an Interfacial Mode at the Chromosphere-Corona Transition", 1994ApJ...423..488R ADS
- Gough, D., "What can we Learn from Oscillation Studies about Irradiance and Radius Changes?", 1994svsp.col1..252G ADS
- Christensen-Dalsgaard, J., Gough, D. O., & Thompson, M. J., "The Depth of the Solar Convection Zone", in J. N. Bahcall, J. Davis, R., P. Parker, A. Smirnov, and R. Ulrich (Eds.), Solar Neutrinos. The First Thirty Years, 427 1994snft.book..427C ADS
- Christensen-Dalsgaard, J., Gough, D. O., & Toomre, J., "Seismology of the Sun", in J. N. Bahcall, J. Davis, R., P. Parker, A. Smirnov, and R. Ulrich (Eds.), Solar Neutrinos. The First Thirty Years, 418 1994snft.book..418C ADS
- Duvall, T. L., Jr., Dziembowski, W., Goode, P. R., et al., "Internal Rotation of the Sun", in J. N. Bahcall, J. Davis, R., P. Parker, A. Smirnov, and R. Ulrich (Eds.), Solar Neutrinos. The First Thirty Years, 414 1994snft.book..414D ADS
- , "IRIS VI", 1994iris.conf....G ADS
- Vorontsov, S. V., Baturin, V. A., Dappen, W., & Gough, D. O., "Towards a helioseismic calibration of the equation of state in the solar convective envelope", 1994esa..conf..545V ADS
- Gough, D. O., "Seismology of the Sun and Stars", 1994ASSL..187..187G ADS
- Gough, D. O. & Kosovichev, A. G., "The Influence of Low-Degree P-Mode Frequencies on the Determination of the Structure of the Solar Interior", 1993MNRAS.264..522G ADS
- Gough, D. & Stark, P. B., "Are the 1986-1988 Changes in Solar Free-Oscillation Frequency Splitting Significant?", 1993ApJ...415..376G ADS
- Gough, D. O., "Linear adiabatic stellar pulsation.", 1993afd..conf..399G ADS
- Appourchaux, T., Catala, C., Catalano, S., et al., "PRISMA: Probing Stars from Core to Corona", 1993ASSL..183..505A ADS
- Chang, H. Y. & Gough, D. O., "On the Determination of the Temporal Properties of Free Oscillators", 1993ASPC...42..457C ADS

- Appourchaux, T., Gough, D. O., Catala, C., et al., "Prisma - the First Space Mission to See Inside the Stars", 1993ASPC...42..411A ADS
- Gough, D. O. & Novotny, E., "Asteroseismic Calibration of Stellar Clusters", 1993ASPC...42..355G ADS
- Gough, D. O. & Kosovichev, A. G., "Seismic Analysis of Stellar P-Mode Spectra", 1993ASPC...42..351G ADS
- Gough, D. O., Merryfield, W. J., & Toomre, J., "Inversion for Background Inhomogeneity from Phase Distortions of One-Dimensional Wave Trains", 1993ASPC...42..257G ADS
- Gough, D. & Stark, P. B., "The Significance of Changes in Solar Free-Oscillation Splitting from 1986-1990", 1993ASPC...42..221G ADS
- Gough, D. O., Kosovichev, A. G., Sekii, T., Libbrecht, K. G., & Woodard, M. F., "The Form of the Angular Velocity in the Solar Convection Zone", 1993ASPC...42..213G ADS
- Rosenthal, C. S. & Gough, D. O., "When is an F-Mode not an F-Mode", 1993ASPC...42..185R ADS
- Gough, D. O. & Sekii, T., "on the Detection of Convective Overshoot", 1993ASPC...42..177G ADS
- Milford, P. N., Scherrer, P. H., Frank, Z., Kosovichev, A. G., & Gough, D. O., "The High-Frequency P-Mode Spectrum", 1993ASPC...42..97M ADS
- Appourchaux, T., Gough, D., HYOYNG, P., et al., "PRISMA: a new space mission for stellar physics.", 1993ASPC...40..812A ADS
- Gough, D. O., "Impact of Observations on Prejudice and Input Physics", 1993ASPC...40..767G ADS
- Sekii, T. & Gough, D. O., "A procedure for two-dimensional asymptotic rotational-splitting inversion", 1993ASPC...40..569S ADS
- Gough, D. O. & Kosovichev, A. G., "It is possible to determine whether a star is rotating about a unique axis?", 1993ASPC...40..566G ADS
- Gough, D. O. & Novotny, E., "On the asteroseismic calibration of solar-type stars", 1993ASPC...40..550G ADS
- Gough, D. O. & Kosovichev, A. G., "Initial asteroseismic inversions", 1993ASPC...40..541G ADS
- Däppen, W., Gough, D. O., Kosovichev, A. G., & Rhodes, E. J., J., "On the Influence of Treatment of Heavy Elements in the Equation of State on the Resulting Values of the Adiabatic Exponent", 1993ASPC...40..304D ADS
- Gough, D. O., Kosovichev, A. G., Sekii, T., Libbrecht, K. G., & Woodard, M. F., "Seismic evidence of modulation of the structure and angular velocity of the Sun associated with the solar cycle", 1993ASPC...40..93G ADS
- Kosovichev, A. G., Christensen-Dalsgaard, J., Daepfen, W., et al., "Sources of uncertainty in direct seismological measurements of the solar helium abundance", 1992MNRAS.259..536K ADS
- Jones, A. G., Gough, D. I., Kurtz, R. D., et al., "Electromagnetic images of regional structure in the southern Canadian Cordillera", 1992GeoRL..19.2373J ADS
- Christensen-Dalsgaard, J., Gough, D. O., & Thompson, M. J., "On the rate of destruction of lithium in late-type main-sequence stars", 1992A&A...264..518C ADS
- Goode, P. R., Gough, D., & Kosovichev, A. G., "Localized Excitation of Solar Oscillations", 1992ApJ...387..707G ADS
- Gough, D. O., "The role of helioseismology in neutrino physics.", 1992pnap.conf...25G ADS
- Gough, D. I., "Electromagnetic exploration for fluids in the Earth's crust", 1992ESRv...32...3G ADS
- Vauclair, S., Dolez, N., & Gough, D. O., "Helium inhomogeneities in main-sequence magnetic stars.", 1991A&A...252..618V ADS
- Christensen-Dalsgaard, J., Gough, D. O., & Thompson, M. J., "The Depth of the Solar Convection Zone", 1991ApJ...378..413C ADS
- Majorowicz, J. A. & Gough, D. I., "Crustal structures from MT soundings in the Canadian Cordillera", 1991E&PSL.102..444M ADS
- Gough, D. & Garriott, O., "The Sun and Space Exploration", 1991BAAS...23.1039G ADS
- Hill, F., Gough, D., Merryfield, W. J., & Toomre, J., "Simulation of Effects of Atmospheric Seeing on the Observation of High-Degree Solar Oscillations", 1991ApJ...369..237H ADS
- Merryfield, W. J., Toomre, J., & Gough, D., "Nonlinear Behavior of Solar Gravity Modes Driven by 3He in the Core. II. Numerical Simulations", 1991ApJ...367..658M ADS
- Gough, D. O. & Thompson, M. J., "The inversion problem.", in Solar Interior and Atmosphere, 519-561 1991sia..book..519G ADS
- , "Challenges to theories of the structure of moderate-mass stars", 1991ctts.conf....G ADS
- Gough, D. O., "Seismic constraints on the solar neutrino problem.", 1991NYASA.647..199G ADS
- Balmforth, N. J., Gough, D. O., & Tout, C. A., "Pulsations of Arcturus", in D. Gough and J. Toomre (Eds.), Challenges to Theories of the Structure of Moderate-Mass Stars, Vol. 388, 381 1991LNP...388..381B ADS
- Gough, D. O., Merryfield, W. J., & Toomre, J., "On the Analysis of Physical Wave Trains", in D. Gough and J. Toomre (Eds.), Challenges to Theories of the Structure of Moderate-Mass Stars, Vol. 388, 265 1991LNP...388..265G ADS
- Balmforth, N. J. & Gough, D. O., "The Vibrational Stability of the Sun", in D. Gough and J. Toomre (Eds.), Challenges to Theories of the Structure of Moderate-Mass Stars, Vol. 388, 221 1991LNP...388..221B ADS
- Däppen, W., Gough, D. O., Kosovichev, A. G., & Thompson, M. J., "A New Inversion for the Hydrostatic Stratification of the Sun", in D. Gough and J. Toomre (Eds.), Challenges to Theories of the Structure of Moderate-Mass Stars, Vol. 388, 111 1991LNP...388..111D ADS
- Gough, D. & Toomre, J., "Program at ITP: Helioseismology - Probing the interior of a star", in D. Gough and J. Toomre (Eds.), Challenges to Theories of the Structure of Moderate-Mass Stars, Vol. 388, 1 1991LNP...388....1G ADS
- Gough, D. & Toomre, J.: 1991b, Challenges to Theories of the Structure of Moderate-Mass Stars, Vol. 388 1991LNP...388....G ADS
- Gough, D. O., "Internal Solar Rotation", 1991ASIC..340..271G ADS
- Gough, D. & Toomre, J., "Seismic observations of the solar interior.", 1991ARA&A..29..627G ADS
- Balmforth, N. J. & Gough, D. O., "Effluent Stellar Pulsation", 1990ApJ...362..256B ADS
- Gough, D. O., "Astrophysical Sun", 1990Natur.347..346G ADS
- Balmforth, N. J. & Gough, D. O., "Mixing-Length Theory and the Excitation of Solar Acoustic Oscillations", 1990SoPh..128..161B ADS
- Gough, D. O. & Novotny, E., "Sensitivity of Solar Eigenfrequencies to the Age of the Sun", 1990SoPh..128..143G ADS
- Gough, D., "Shaky clues to solar activity", 1990Natur.345..768G ADS
- Gough, D. O., "On Possible Origins of Relatively Short-Term Variations in the Solar Structure", 1990RSPTA.330..627G ADS
- Merryfield, W. J., Toomre, J., & Gough, D., "Nonlinear Behavior of Solar Gravity Modes Driven by 3He in the Core. I. Bifurcation Analysis", 1990ApJ...353..678M ADS
- Balmforth, N. J., Gough, D. O., & Merryfield, W. J., "Pulsations of Model Mira Variables", 1990fmpn.coll...85B ADS
- Gough, D. O., "On possible origins of relatively short-term variations in the solar structure.", 1990ecvs.conf..627G ADS
- Gough, D. O., "The Internal Structure of Late Type Main-Sequence Stars", 1990arpf.symp...13G ADS
- Gough, D. O. & Thompson, M. J., "The effect of rotation and a buried magnetic field on stellar oscillations", 1990MNRAS.242...25G ADS
- Gough, D. O., "Comments on Helioseismic Inference", in Y. Osaki and H. Shibahashi (Eds.), Progress of Seismology of the Sun and Stars, Vol. 367, 283 1990LNP...367..283G ADS
- Gough, D. O., "Open Questions", 1990ASSL..159..451G ADS
- Gough, D. O. & Kosovichev, A. G., "Using Helioseismic Data to Probe the Hydrogen Abundance in the Solar Core", 1990ASSL..159..327G ADS
- Brown, T. M., Christensen-Dalsgaard, J., Dziembowski, W. A., et al., "Inferring the Sun's Internal Angular Velocity from Observed p-Mode Frequency Splittings", 1989ApJ...343..526B ADS
- Christensen-Dalsgaard, J., Gough, D. O., & Libbrecht, K. G., "Seismology of Solar Oscillation Line Widths", 1989ApJ...341L.103C ADS
- Christensen-Dalsgaard, J., Thompson, M. J., & Gough, D. O., "Differential asymptotic sound-speed inversions", 1989MNRAS.238..481C ADS
- Christensen-Dalsgaard, J. & Gough, D. O., "Rotational Enhancement of Doppler Measurements of Solar and Stellar Hexadecapole Oscillations", 1989SoPh..119...5C ADS
- Wang, X.-S., Samson, J. C., & Gough, D. I., "Estimation of the magnetic fields of current channels in magnetovariational data", 1989GeoJI..96..381W ADS
- Gough, D. I., "Magnetometer array studies, earth structure, and tectonic processes.", 1989RvGeo..27..141G ADS
- Gough, D., "Obituary - Severny, Andrei 1913-1987", 1988QJRAS..29..584G ADS
- Gough, D., "Andrei Borisovich Severny (11 May 1913 - 4 April 1987).", 1988QJRAS..29..581G ADS
- Gough, D. O., "Book Review: The internal solar angular velocity. / Reidel, 1987", 1988Obs...108..235G ADS
- Gough, D. O., "Prediction of solar oscillation frequencies", 1988Natur.336..720G ADS
- Gough, D., "Deep roots of solar cycles", 1988Natur.336..618G ADS
- Christensen-Dalsgaard, J., Gough, D. O., & Perez Hernandez, F., "Stellar disharmony.", 1988MNRAS.235..875C ADS
- Gough, D., "On taking observers seriously.", 1988ESASP.286..679G ADS
- Daepfen, W., Gough, D. O., & Turck-Chieze, S., "Modelling the variation of solar p-mode frequencies.", 1988ESASP.286..511D ADS
- Daepfen, W., Gough, D. O., & Thompson, M. J., "Further progress on the helium abundance determination.", 1988ESASP.286..505D ADS
- Christensen-Dalsgaard, J., Gough, D. O., & Thompson, M. J., "Determination of the solar internal sound speed by means of a differential asymptotic inversion.", 1988ESASP.286..493C ADS
- Tooth, P. D. & Gough, D. O., "Towards an independent calibration of the mixing-length theory.", 1988ESASP.286..463T ADS

- Rosenthal, C. S. & Gough, D. O., "Scattering and multiple scattering of acoustic waves in a stratified medium.", 1988ESASP.286..457R ADS
- Haber, D. A., Toomre, J., Hill, F., & Gough, D. O., "Local effects of a major flare on solar five-minute oscillations.", 1988ESASP.286..301H ADS
- Gough, D. O. & Kosovichev, A. G., "An attempt to understand the stanford p-mode data.", 1988ESASP.286..195G ADS
- Balmforth, N. J. & Gough, D. O., "On radiative and convective influences on stellar pulsational stability.", 1988ESASP.286..47B ADS
- Merryfield, W. J., Toomre, J., & Gough, D. O., "Nonlinear studies of solar gravity modes driven by nuclear burning of the ^3He in the core.", 1988ESASP.286..21M ADS
- Scherrer, P. H., Hoeksema, J. T., Bogart, R. S., et al.: 1988, *SOI: The Solar Oscillations Imager on SOHO*, In ESA, The SOHO Mission. Scientific and Technical Aspects of the Instruments p 25-30 (SEE N90-13302 04-92) 1988sohi.rept..25S ADS
- Durney, B. R., Sofia, S., & Gough, D., "Book-Review - the Internal Solar Angular Velocity - Theory Observations and Relationship to Solar Magnetic Fields", 1988JBAA...98..261D ADS
- Gough, D. O., "Theory of solar variation", 1988stre.conf...90G ADS
- Antia, H. M., Chitre, S. M., & Gough, D. O., "On the Excitation of Solar 5-MINUTE Oscillations", 1988IAUS..123..371A ADS
- Dolez, N., Gough, D. O., & Vauclair, S., "Helium Diffusion in Rapidly Oscillating Ap-Stars", 1988IAUS..123..291D ADS
- Gough, D. O. & Thompson, M. J., "On the Implications of the Symmetric Component of the Frequency Splitting", 1988IAUS..123..175G ADS
- Gough, D. O. & Thompson, M. J., "Magnetic Perturbations to Stellar Oscillation Eigenfrequencies", 1988IAUS..123..155G ADS
- Ellis, A. N. & Gough, D. O., "Do Solar Models with Weakly Interacting Massive Particles Reproduce the Stanford Seismic Data", 1988IAUS..123..111E ADS
- Hill, F., Gough, D. O., Toomre, J., & Haber, D. A., "Solar Equatorial Rotation Rate Inferred from Inversion of Frequency Splitting of High-Degree Modes", 1988IAUS..123..45H ADS
- Gough, D. O., "Book-Review - Seismology of the Sun and the Distant Stars", 1988ApL&C..26..374G ADS
- Hutton, V. R. S., Gough, D. I., Dawes, G. J. K., & Travassos, J., "Magnetotelluric Soundings In the Canadian Rocky Mountains", 1987GeoJ...90..245H ADS
- Gough, D., "Seismological measurement of stellar ages", 1987Natur.326..257G ADS
- Ingham, M. R., Gough, D. I., & Parkinson, W. D., "Models of conductive structure under the Canadian Cordillera", 1987GeoJ...88..477I ADS
- Gough, D. I. & Gough, W. I., "Stress Near the Surface of the Earth", 1987AREPS..15..545G ADS
- Gough, D. O., "Book-Review - Seismology of the Sun and the Distant Stars", 1986S&T...72..479G ADS
- Gough, D. O. & Hoyng, P., "Book-Review - Seismology of the Sun and the Distant Stars", 1986SSRv...44..401G ADS
- Haber, D. A., Toomre, J., Hill, F., & Gough, D. O., "Local Response of the Five-Minute Oscillations to a Major Solar Flare", 1986BAAS...18Q1011H ADS
- Faulkner, J., Gough, D. O., & Vahia, M. N., "Weakly interacting massive particles and solar oscillations", 1986Natur.321..226F ADS
- Gough, D. O., "EBK Quantization of Stellar Waves", 1986hmeps.conf..117G ADS
- Gough, D., "Solar physics: What causes the solar cycle?", 1986Natur.319..263G ADS
- Gough, D. O., "Solar and solar-like oscillations: theory.", 1986HiA....7..283G ADS
- Dappen, W. & Gough, D. O., "Progress report on helium abundance determination.", 1986ASIC..169..275D ADS
- Gough, D. O., "Asymptotic sound-speed inversions.", 1986ASIC..169..125G ADS
- , "Seismology of the Sun and the distant stars. Proceedings of a NATO Advanced Research Workshop, held at Cambridge, UK, 17 - 21 June 1985.", 1986ASIC..169....G ADS
- Gough, D., "Inverting Helioseismic Data", 1985SoPh..100...65G ADS
- Christensen-Dalsgaard, J., Gough, D., & Toomre, J., "Seismology of the Sun", 1985Sci...229..923C ADS
- Fröhlich, C. & Gough, D., "Internal Structure of the Sun", 1985ESASP.235..241F ADS
- Gough, D. O., "Theory of Solar Oscillations", 1985ESASP.235..183G ADS
- Christensen-Dalsgaard, J., Duvall, T. L., J., Gough, D. O., Harvey, J. W., & Rhodes, E. J., J., "Speed of sound in the solar interior", 1985Natur.315..378C ADS
- Gough, D., "Stellar structure: Beginnings of asteroseismology", 1985Natur.314...14G ADS
- Hill, F., Toomre, J., & Gough, D. O., "Changes in Subsurface Horizontal Velocities Inferred from Observations of High Degree 5-Minute Solar Oscillations", 1985BAAS...17..643H ADS
- Gough, D., "Recent Advances in Helioseismology", 1985spit.conf..137G ADS
- Christensen-Dalsgaard, J. & Gough, D., "Implications of observed frequencies of solar p modes.", 1984sses.nasa..199C ADS
- Hill, F., Gough, D., & Toomre, J., "Sensitivity of inferred subphotospheric velocity field to mode selection, analysis technique and noise.", 1984sses.nasa..95H ADS
- Christensen-Dalsgaard, J. & Gough, D., "Rotational inversion from global solar oscillations.", 1984sses.nasa..79C ADS
- Gough, D., "Solar inverse theory.", 1984sses.nasa..49G ADS
- Zinnecker, H., Gold, T., McCrea, W. H., et al., "The Early Solar System and the Rotation of the Sun: Discussion", 1984RSPTA.313...43Z ADS
- Gough, D. O., "On the Rotation of the Sun", 1984RSPTA.313...27G ADS
- Gough, D. I., "Mantle upflow under North America and plate dynamics", 1984Natur.311..428G ADS
- Duvall, T. L., J., Dziembowski, W. A., Goode, P. R., et al., "Internal rotation of the Sun", 1984Natur.310...22D ADS
- Gough, D. O. & Latour, J., "On the identification of normal modes of oscillation from observations of the solar periphery", 1984AExpr...1...9G ADS
- Gough, D. O. & Latour, J., "On the identification of normal modes of oscillation from observations of the solar periphery", 1984MmSAI..55..227G ADS
- Gough, D. O. & Taylor, P. P., "Influence of rotation and magnetic fields on stellar oscillation eigenfrequencies", 1984MmSAI..55..215G ADS
- Hill, F., Gough, D., & Toomre, J., "Attempt to measure the solar subsurface velocity", 1984MmSAI..55..153H ADS
- Fabian, A. C. & Gough, D. O., "Geminga and the 160-min solar oscillation", 1984Natur.308..160F ADS
- Hill, F., Toomre, J., & Gough, D. O., "Horizontal Velocities in the Solar Convection Zone Inferred from High Degree 5-Minute Oscillations", 1984BAAS...16R.451H ADS
- Merryfield, W. J., Toomre, J., Hill, F., & Gough, D. O., "Simulation of Effects of Atmospheric Seeing on Observations of Solar Five-Minute Oscillations", 1984BAAS...16..532M ADS
- Gough, D. O., "Towards a solar model", 1984MmSAI..55...13G ADS
- Dappen, W. & Gough, D. O., "On the Determination of the Helium Abundance of the Solar Convection Zone", 1984LIACo..25..264D ADS
- Gough, D. O., "Helioseismology", 1984IScRv...9..240G ADS
- Gough, D. O., "Immediate and long-term prospects for helioseismology", 1984AdSpR...4h..85G ADS
- Deubner, F.-L. & Gough, D., "Helioseismology: Oscillations as a Diagnostic of the Solar Interior", 1984ARA&A..22..593D ADS
- Gough, D., "Helioseismology: Oscillations as a probe of the Sun's interior", 1983Natur.304..689G ADS
- Edmunds, M. G. & Gough, D. O., "Solar atmospheric temperature inhomogeneities induce a 13-day oscillation in full-disk Doppler measurements", 1983Natur.302..810E ADS
- Christensen-Dalsgaard, J., Cooper, A. J., & Gough, D. O., "An upper bound to the periods of radial pulsation of the sun", 1983MNRAS.203..165C ADS
- Gough, D., "Solar structure: A bridge in a gap in solar oscillations", 1983Natur.302...18G ADS
- Ingham, M. R., Bingham, D. K., & Gough, D. I., "A magnetovariational study of a geothermal anomaly", 1983GeoJ...72..597I ADS
- Gough, D. O., "The protosolar helium abundance", 1983prhe.work..117G ADS
- Gough, D. O. & Toomre, J., "On the Detection of Subphotospheric Convective Velocities and Temperature Fluctuations", 1983SoPh...82..401G ADS
- Belvedere, G., Gough, D., & Paterno, L., "On the influence of nonlinearities on the eigenfrequencies of five-minute oscillations of the Sun", 1983SoPh...82..343B ADS
- Scherrer, P. H., Wilcox, J. M., Christensen-Dalsgaard, J., & Gough, D. O., "Detection of solar five-minute oscillations of low degree", 1983SoPh...82...75S ADS
- Gough, D. O., "Foreword", 1983SoPh...82...7G ADS
- Gough, D. O., "Problems of solar and stellar oscillations; Proceedings of the Sixty-sixth Colloquium, Nauchny, Ukrainian SSR, September 1-5, 1981", 1983SoPh...82....G ADS
- Gough, D. O., "Our First Inferences from Helioseismology", 1983PhB...34..502G ADS
- Gough, D. O., "Temporal solar variations.", 1983ESAJ...7..325G ADS
- Toomre, J., Gough, D. O., & Spiegel, E. A., "Time-dependent solutions of multinode convection equations", 1982JFM...125...99T ADS
- Gough, D. O. & Toomre, J., "Single-mode theory of diffusive layers in thermal convection", 1982JFM...125...75G ADS
- Gough, D. O., Hill, F., & Toomre, J., "Solar Five-Minute Oscillations, Subsurface Velocities and Inverse Theory", 1982BAAS...14..938G ADS

- Gough, D. O., "Evidence for an oblique magnetic solar rotator", 1982Natur.298..350G ADS
- Gough, D. O., "Internal rotation and gravitational quadrupole moment of the Sun", 1982Natur.298..334G ADS
- Scherrer, P. H., Wilcox, J. M., Christensen-Dalsgaard, J., & Gough, D., "Observation of additional low-degree 5-min modes of solar oscillation", 1982Natur.297..312S ADS
- Scherrer, P. H., Wilcox, J. M., Christensen-Dalsgaard, J., & Gough, D. O.: 1982b, "Detection of solar five minute oscillations of low degree", 1982STIN..8317445S ADS
- Dolez, N. & Gough, D. O., "On the Problem of Interpreting Rapidly Oscillating Ap-Stars", 1982pccv.conf..248D ADS
- Gough, D. O., "A Review of the Theory of Solar Oscillations and its Implications Concerning the Internal Structure of the Sun", 1982pccv.conf..117G ADS
- Christensen-Dalsgaard, J. & Gough, D. O., "On the interpretation of five-minute oscillations in solar spectrum line shifts.", 1982MNRAS.198..141C ADS
- Gough, D. O., "A review of: 'A perspective of physics, vol. 3'", 1982GapFD..19..155G ADS
- Gough, D. O., "Diagnostics of the Solar Interior", 1982EuNew..13....3G ADS
- Gough, D., "On the seat of the solar cycle", 1981NASCP2191..185G ADS
- Christensen-Dalsgaard, J. & Gough, D. O., "Comparison of observed solar whole-disk oscillation frequencies with the predictions of a sequence of solar models", 1981A&A...104..173C ADS
- Gough, D. O., "Solar Interior Structure and Luminosity Variations", 1981SoPh...74...21G ADS
- Gough, D., "Problems with solar oscillations", 1981Natur.293..703G ADS
- Gough, D. O., "A new measure of the solar rotation", 1981MNRAS.196..731G ADS
- Gough, D., "Inferences from Solar Oscillations", 1981IrAJ...15..116G ADS
- Christensen-Dalsgaard, J. & Gough, D. O., "On the Frequencies of the Solar 5 min Oscillations of High Degree", 1981BAAS...13..859C ADS
- Gough, D. O., "Problems of solar and stellar oscillations", 1981psso.conf.....G ADS
- Gough, D., "Climate and variability in the solar constant", 1980Natur.288..639G ADS
- Christensen-Dalsgaard, J. & Gough, D. O., "Is the Sun helium-deficient?", 1980Natur.288..544C ADS
- Beer, J. O. & Gough, D. I., "Conductive structures in southernmost Africa: a magnetometer array study", 1980GeoJ...63..479B ADS
- Berthomieu, G., Cooper, A. J., Gough, D. O., et al., "Theoretical Prediction of Eigen Frequencies of the Solar Five Minute Oscillation", 1980jfss.conf...32B ADS
- Gough, D., "The pre-main-sequence evolution of the sun", 1980asfr.symp..533G ADS
- Christensen-Dalsgaard, J. & Gough, D. O., "Perturbations in gravitational potential associated with solar oscillations", in H. A. Hill and W. A. Dziembowski (Eds.), Nonradial and Nonlinear Stellar Pulsation, Vol. 125, 369–380 1980LNP...125..369C ADS
- Christensen-Dalsgaard, J., Dziembowski, W., & Gough, D., "How deep is the solar convection zone", in H. A. Hill and W. A. Dziembowski (Eds.), Nonradial and Nonlinear Stellar Pulsation, Vol. 125, 313–341 1980LNP...125..313C ADS
- Berthomieu, G., Provost, J., Rocca, A., et al., "Sensitivity of five minute eigen-frequencies to the structure of the sun", in H. A. Hill and W. A. Dziembowski (Eds.), Nonradial and Nonlinear Stellar Pulsation, Vol. 125, 307–312 1980LNP...125..307B ADS
- Gough, D., "Some theoretical remarks on solar oscillations", in H. A. Hill and W. A. Dziembowski (Eds.), Nonradial and Nonlinear Stellar Pulsation, Vol. 125, 273–299 1980LNP...125..273G ADS
- Christensen-Dalsgaard, J. & Gough, D., "Implications of the whole-disk Doppler observations of the sun", in H. A. Hill and W. A. Dziembowski (Eds.), Nonradial and Nonlinear Stellar Pulsation, Vol. 125, 184–190 1980LNP...125..184C ADS
- Gough, D., "Introduction to Nonradial and Nonlinear Stellar Pulsation", in H. A. Hill and W. A. Dziembowski (Eds.), Nonradial and Nonlinear Stellar Pulsation, Vol. 125, 1 1980LNP...125...1G ADS
- Bell, J. S. & Gough, D. I., "Northeast-southwest compressive stress in Alberta evidence from oil wells", 1979E&PSL..45..475B ADS
- Baker, N. H. & Gough, D. O., "Pulsations of model RR Lyrae stars.", 1979ApJ...234..232B ADS
- Gough, D., "Nonradial and nonlinear stellar pulsation", 1979Natur.278..685G ADS
- Christensen-Dalsgaard, J., Gough, D. O., & Morgan, J. G., "Dirty solar models.", 1979A&A...73..121C ADS
- Christensen-Dalsgaard, J., Gough, D. O., & Morgan, J. G., "Erratum: 'Dirty solar models' [Astron. Astrophys., Vol. 79, p. 121 - 128 (1979)].", 1979A&A...79..260C ADS
- Gough, D. I. & Bannister, J. R., "A polar magnetic substorm observed in the evening sector with a two-dimensional magnetometer array.", 1978GeoJ...55..435G ADS
- Gough, D., "New data from solar oscillations", 1978Natur.274..739G ADS
- Bannister, J. R. & Gough, D. I., "A study of two polar magnetic substorms with a two-dimensional magnetometer array.", 1978GeoJ...53...1B ADS
- Gough, D., "The Significance of Solar Oscillations", 1978pfs1.conf...81G ADS
- Bannister, J. R. & Gough, D. I., "Development of a polar magnetic substorm: a two-dimensional magnetometer array study.", 1977GeoJ...51...75B ADS
- Gough, D. I., And, A.-U.-R., & Evans, M. E., "Magnetic anisotropy and fabric of redbeds of the Great Slave Supergroup of Canada", 1977GeoJ...50..685G ADS
- Gough, D. O., "Mixing-length theory for pulsating stars.", 1977ApJ...214..196G ADS
- Gough, D. I., "The geoid and single-cell mantle convection", 1977E&PSL..34..360G ADS
- Gough, D. O., "Theoretical Predictions of Variations in the Solar Output", 1977soiv.conf..451G ADS
- Gough, D., "Random Remarks on Solar Hydrodynamics", 1977ebhs.co11...3G ADS
- Gough, D. O., "Stellar convection", in E. A. Spiegel and J. P. Zahn (Eds.), Problems of Stellar Convection, Vol. 71, 349–363 1977LNP...71..349G ADS
- Gough, D. O. & Spiegel, E. A., "On taking mixing-length theory seriously", in E. A. Spiegel and J. P. Zahn (Eds.), Problems of Stellar Convection, Vol. 71, 57–62 1977LNP...71..57G ADS
- Gough, D., "The current state of stellar mixing-length theory", in E. A. Spiegel and J. P. Zahn (Eds.), Problems of Stellar Convection, Vol. 71, 15–56 1977LNP...71..15G ADS
- Toomre, J., Gough, D. O., & Spiegel, E. A., "Numerical solutions of single-mode convection equations", 1977JFM...79...1T ADS
- Gough, D. O., Pringle, J. E., & Spiegel, E. A., "Seiches in supergranules", 1976Natur.264..424G ADS
- Gough, D. O. & Weiss, N. O., "The calibration of stellar convection theories.", 1976MNRAS.176..589G ADS
- Gough, D. O., "Talk on Solar Oscillation Theory", 1976obs...96..133G ADS
- Gough, D. O., Moore, D. R., Spiegel, E. A., & Weiss, N. O., "Convective Instability in a Compressible Atmosphere. II", 1976ApJ...206..536G ADS
- Gough, D., "The shivering sun opens its heart.", 1976NewSc..70..590G ADS
- Christensen-Dalsgaard, J. & Gough, D. O., "Towards a heliological inverse problem", 1976Natur.259..89C ADS
- Gough, D. O., "Theory of Solar Oscillations", 1976IAUTB..16..245G ADS
- Mestel, L., Tinsley, B. M., Ostriker, J. P., et al., "Stellar constitution (Constitution des étoiles)", 1976IAUTA..16b.161M ADS
- Gough, D. O., "Stellar Convection", 1976IAUTA..16..169G ADS
- Alabi, A. O., Camfield, P. A., & Gough, D. I., "The North American Central Plains Conductivity Anomaly", 1975GeoJ...43..815A ADS
- Baker, N. H., Gough, D. O., & Stellingwerf, R. F., "Convection in Pulsating Stars", 1975BAAS...7Q.504B ADS
- Gough, D. I. & Jones, F. W., "Preface", 1975PEPI...10D..3G ADS
- Camfield, P. A. & Gough, D. I., "Anomalies in Daily Variation Magnetic Fields and Structure Under North-western United States and South-western Canada", 1975GeoJ...41..193C ADS
- Gough, D. O., Spiegel, E. A., & Toomre, J., "Modal equations for cellular convection", 1975JFM...68..695G ADS
- Christensen-Dalsgaard, J. & Gough, D. O., "Nonadiabatic nonradial oscillations of a solar model", 1975MSRSL...8..309C ADS
- Gough, D. O., Spiegel, E. A., & Toomre, J., "Highly stretched meshes as functionals of solutions", in R. D. Richtmyer (Ed.), Numerical Methods in Fluid Dynamics, Vol. 35, 191–196 1975LNP...35..191G ADS
- Christensen-Dalsgaard, J., Dilke, F. W. W., & Gough, D. O., "The stability of a solar model to non-radial oscillations.", 1974MNRAS.169..429C ADS
- Gough, D. I., McElhinny, M. W., & Lilley, F. E. M., "A Magnetometer Array Study in Southern Australia", 1974GeoJ...36..345G ADS
- Gough, D. I., Beer, J. H., & Zijl, J. S. V., "A Magnetometer Array Study in Southern Africa", 1973GeoJ...34..421G ADS
- Gough, D. I., "The geophysical significance of geomagnetic variation anomalies", 1973PEPI...7..379G ADS
- Dilke, F. W. W. & Gough, D. O., "The Solar Spoon", 1972Natur.240..262D ADS
- Porath, H., Gough, D. I., & Camfield, P. A., "Conductive Structures in the North-western United States and South-west Canada", 1971GeoJ...23..387P ADS
- Porath, H. & Gough, D. I., "Mantle Conductive Structures in the Western United States from Magnetometer Array Studies", 1971GeoJ...22..261P ADS

- Camfield, P. A., Gough, D. I., & Porath, H., “Magnetometer Array Studies in the North-Western United States and South-Western Canada”, 1971GeoJ...22..201C [ADS](#)
- Gough, D. I. & Gough, W. I., “Load-induced Earthquakes at Lake Kariba?II”, 1970GeoJ...21...79G [ADS](#)
- Gough, D. I. & Gough, W. I., “Stress and Deflection in the Lithosphere near Lake Kariba?I”, 1970GeoJ...21...65G [ADS](#)
- Porath, H., Oldenburg, D. W., & Gough, D. I., “Separation of Magnetic Variation Fields and Conductive Structures in the Western United States”, 1970GeoJ...19..237P [ADS](#)
- Reitzel, J. S., Porath, H., Gough, D. I., & Anderson, C. W., “Geomagnetic Deep Sounding and Upper Mantle Structure in the Western United States”, 1970GeoJ...19..213R [ADS](#)
- Bastin, J. A. & Gough, D. O., “Intermediate Scale Lunar Roughness”, 1969Icar...11..289B [ADS](#)
- Gough, D. I. & Heirtzler, J. R., “Magnetic Anomalies and Tectonics of the Cayman Trough”, 1969GeoJ...18...33G [ADS](#)
- Gough, D. O., “The Anelastic Approximation for Thermal Convection.”, 1969JAtS...26..448G [ADS](#)
- Gough, D. O. & Lynden-Bell, D., “Vorticity expulsion by turbulence: astrophysical implications of an Alka-Seltzer experiment”, 1968JFM...32..437G [ADS](#)
- Gough, D. O., “Convection in Pulsating Stars: Time-Dependent Mixing-Length Theory in the One-Zone Model.”, 1967AJ...72S.799G [ADS](#)
- Baker, N. H. & Gough, D. O., “Convection in Pulsating Stars: Quasi-Adiabatic Cepheid Models.”, 1967AJ...72Q.784B [ADS](#)
- Gough, D. O.: 1966, “Convection in astrophysics”, Ph.D. thesis, University of Cambridge, UK 1966PhDT...109G [ADS](#)
- Gough, D. O. & Tayler, R. J., “The influence of a magnetic field on Schwarzschild’s criterion for convective instability in an ideally conducting fluid”, 1966MNRAS.133...85G [ADS](#)
- Gough, D. O., Ostriker, J. P., & Stobie, R. S., “On the Periods of Pulsating Stars.”, 1965ApJ...142.1649G [ADS](#)
- Gough, D. I., Opdyke, N. D., & McElhinny, M. W., “The Significance of Paleomagnetic Results from Africa”, 1964JGR...69.2509G [ADS](#)
- Gough, D. I., Brock, A., Jones, D. L., & Opdyke, N. D., “The Paleomagnetism of the Ring Complexes at Marangudzi and the Mateke Hills”, 1964JGR...69.2499G [ADS](#)
- Gough, D. I. & Brock, A., “The Paleomagnetism of the Shawa Ijolite”, 1964JGR...69.2489G [ADS](#)
- Gough, D. I., “A Spinner Magnetometer”, 1964JGR...69.2455G [ADS](#)
- Gough, D. I. & Opdyke, N. D., “The Palaeomagnetism of the Lupata Alkaline Volcanics”, 1963GeoJ...7..457G [ADS](#)
- McElhinny, M. W. & Gough, D. I., “The Palaeomagnetism of the Great Dyke of Southern Rhodesia”, 1963GeoJ...7..287M [ADS](#)
- Hales, A. L. & Gough, D. I., “Isostatic anomalies and crustal structure in the Southern Cape”, 1961GeoJ...5..263H [ADS](#)
- Hales, A. L. & Gough, D. I., “Isostatic Anomalies and Crustal Structure in the Southern Cape”, 1960GeoJ...3..225H [ADS](#)
- Hales, A. L. & Gough, D. I., “Gravity Anomalies and Crustal Structure in South Africa”, 1959GeoJ...2..324H [ADS](#)
- Gough, D. I. & Hales, A. L., “a Study of the Palaeomagnetism of the Pilansberg Dykes”, 1956GeoJ...7..196G [ADS](#)
- Hales, A. L. & Gough, D. I.: 1950, Measurements of gravity in Southern Africa 1950mgsa.book...H [ADS](#)
- Hales, A. L. & Gough, D. I., “Blackett’s Fundamental Theory of the Earth’s Magnetic Field”, 1947Natur.160..746H [ADS](#)