

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

- Samadi-Ghadim, A., Lampens, P., & Gizon, L., “*KIC 6951642: confirmed Kepler  $\gamma$  Doradus- $\delta$  Scuti star with intermediate to fast rotation in a possible single-lined binary system*”, 2022arXiv220904651S [ADS](#)
- Jiang, C., Cunha, M., Christensen-Dalsgaard, J., Zhang, Q. S., & Gizon, L., “*Evolution of dipolar mixed-mode coupling factor in red giant stars: impact of buoyancy spike*”, 2022MNRAS.515.3853J [ADS](#)
- Némec, N. E., Shapiro, A. I., İşık, E., et al., “*Erratum: “Faculae Cancel out on the Surfaces of Active Suns”*” (2022, *ApJL*, 934, L23), 2022ApJ...936L..17N [ADS](#)
- Sinjan, J., Calchetti, D., Hirzberger, J., et al., “*The on-ground data reduction and calibration pipeline for SO/PHI-HRT*”, 2022arXiv220814904S [ADS](#)
- Bekki, Y., Cameron, R. H., & Gizon, L., “*Theory of solar oscillations in the inertial frequency range: Amplitudes of equatorial modes from a nonlinear rotating convection simulation*”, 2022arXiv220811081B [ADS](#)
- Némec, N. E., Shapiro, A. I., İşık, E., et al., “*Faculae Cancel out on the Surfaces of Active Suns*”, 2022ApJ...934L..23N [ADS](#)
- Poulier, P. L., Liang, Z. C., Fournier, D., & Gizon, L., “*Contribution of flows around active regions to the north-south helioseismic travel-time measurements*”, 2022A&A...664A.189P [ADS](#)
- Baumgartner, C., Birch, A. C., Schunker, H., Cameron, R. H., & Gizon, L., “*Impact of spatially correlated fluctuations in sunspots on metrics related to magnetic twist*”, 2022A&A...664A.183B [ADS](#)
- Fournier, D., Gizon, L., & Hyest, L., “*Viscous inertial modes on a differentially rotating sphere: Comparison with solar observations*”, 2022A&A...664A...6F [ADS](#)
- De Oliveira, I., Shapiro, A. I., Sowmya, K., et al., “*A New Method for Calculating Solar Irradiance at Mars*”, 2022mamo.conf.1535D [ADS](#)
- Ge, J., Zhang, H., Zang, W., et al., “*ET White Paper: To Find the First Earth 2.0*”, 2022arXiv220606693G [ADS](#)
- Kostogryz, N. M., Witzke, V., Shapiro, A. I., et al., “*Stellar limb darkening. A new MPS-ATLAS library for Kepler, TESS, CHEOPS, and PLATO passbands*”, 2022arXiv220606641K [ADS](#)
- Heras, A. M., Rauer, H., Aerts, C., et al., “*ESA’s PLATO mission: Development status and upcoming milestones*”, 2022BAAS...54e5401H [ADS](#)
- Bekki, Y., Cameron, R. H., & Gizon, L., “*Theory of solar oscillations in the inertial frequency range: Linear modes of the convection zone*”, 2022A&A...662A..16B [ADS](#)
- Yu, J., Khanna, S., Themessl, N., et al., “*Revised extinctions and radii for 1.5 million stars observed by APOGEE, GALAH, and RAVE*”, 2022arXiv220600046Y [ADS](#)
- Kahil, F., Hirzberger, J., Solanki, S. K., et al., “*The magnetic drivers of campfires seen by the Polarimetric and Helioseismic Imager (PHI) on Solar Orbiter*”, 2022A&A...660A.143K [ADS](#)
- Gottschling, N., Schunker, H., Birch, A. C., Cameron, R., & Gizon, L., “*Testing solar surface flux transport models in the first days after active region emergence*”, 2022A&A...660A...6G [ADS](#)
- Erdélyi, R., Damé, L., Fludra, A., et al., “*HiRISE - High-Resolution Imaging and Spectroscopy Explorer - Ultrahigh resolution, interferometric and external occulting coronagraphic science*”, 2022ExA...tmp...21E [ADS](#)
- Nascimbeni, V., Piotto, G., Börner, A., et al., “*The PLATO field selection process. I. Identification and content of the long-pointing fields*”, 2022A&A...658A..31N [ADS](#)
- Gizon, L., “*Solar inertial modes: observations and modeling*”, 2021AGUFMSH34D..05G [ADS](#)
- Faucher, F., Barucq, H., Fournier, D., Gizon, L., & Pham, H., “*Efficient computation of modal Green’s kernels with application to helioseismology*”, 2021AGUFM.S13C..01F [ADS](#)
- Jiang, C. & Gizon, L., “*BESTP - An automated Bayesian modeling tool for asteroseismology*”, 2021RAA...21..226J [ADS](#)
- Heller, R., Duda, J.-P., Winkler, M., Reitner, J., & Gizon, L., “*Habitability of the early Earth: Liquid water under a faint young Sun facilitated by strong tidal heating due to a closer Moon*”, 2021PalZ...95..563H [ADS](#)
- O’Rourke, L. & Gizon, L., “*PLATO Ground Segment: A high level description*”, 2021plat.confE.1020 [ADS](#)
- Samadi-Ghadim, A., Lampens, P., & Gizon, L., “*The Complicated Case of  $\delta$  Scuti Pulsations and Rotation in KIC 6951642; a long-orbit Single-lined Spectroscopic Binary Star*”, 2021plat.confE..67S [ADS](#)
- Samadi-Ghadim, A., Lampens, P., & Gizon, L., “*The Complicated Case of  $\delta$  Scu3 Pulsations and Rotation in KIC 6951642; a long-orbit Single-lined Spectroscopic Binary Star*”, 2021plat.confE..63S [ADS](#)
- Kostogryz, N. M., Fournier, D., & Gizon, L., “*Modelling continuum intensity perturbations caused by solar acoustic oscillations*”, 2021A&A...654A...1K [ADS](#)
- Heinemann, S. G., Temmer, M., Hofmeister, S. J., et al., “*How to Estimate the Far-Side Open Flux Using STEREO Coronal Holes*”, 2021SoPh..296..141H [ADS](#)
- Rauer, H., Pagano, I., Mas-Hesse, M., et al., “*The PLATO mission: Overview and status*”, 2021EPSC...15...90R [ADS](#)
- Montalto, M., Piotto, G., Marrese, P. M., et al., “*The all-sky PLATO input catalogue*”, 2021A&A...653A..98M [ADS](#)
- Gizon, L., Cameron, R. H., Bekki, Y., et al., “*Solar inertial modes: Observations, identification, and diagnostic promise*”, 2021A&A...652L..6G [ADS](#)
- Gottschling, N., Schunker, H., Birch, A. C., Löptien, B., & Gizon, L., “*Evolution of solar surface inflows around emerging active regions*”, 2021A&A...652A.148G [ADS](#)
- Mandal, K., Hanasoge, S. M., & Gizon, L., “*Detection of Rossby modes with even azimuthal orders using helioseismic normal-mode coupling*”, 2021A&A...652A..96M [ADS](#)
- Harra, L., Andretta, V., Appourchaux, T., et al., “*A journey of exploration to the polar regions of a star: probing the solar poles and the heliosphere from high helio-latitude*”, 2021ExA...tmp...93H [ADS](#)
- Anusha, L. S., Shapiro, A. I., Witzke, V., et al., “*Radiative Transfer with Opacity Distribution Functions: Application to Narrowband Filters*”, 2021ApJS...255...3A [ADS](#)
- Montalto, M., Piotto, G., Marrese, P. M., et al., “*VizieR Online Data Catalog: asPIC1.I catalogue (Montalto+, 2021)*”, 2021yCat..365300098M [ADS](#)
- Böning, V. G. A., Birch, A. C., Gizon, L., & Duvall, T. L., “*Helioseismological determination of the subsurface spatial spectrum of solar convection: Demonstration using numerical simulations*”, 2021A&A...649A..59B [ADS](#)
- Compaire, N., Margerin, L., García, R. F., et al., “*Autocorrelation of the Ground Vibrations Recorded by the SEIS InSight Seismometer on Mars*”, 2021JGRE..12606498C [ADS](#)
- Compaire, N., Margerin, L., García, R. F., et al., “*Autocorrelation of the ground vibration recorded by the SEIS-InSight seismometer on Mars for imaging and monitoring applications*”, 2021EGUGA..2312292C [ADS](#)
- Kostogryz, N. M., Kupka, F., Piskunov, N., et al., “*Accurate Short-Characteristics Radiative Transfer in A Numerical Tool for Astrophysical RE-Search (ANTARES)*”, 2021SoPh..296..46K [ADS](#)
- Yu, J., Hekker, S., Bedding, T. R., et al., “*Asteroseismology of luminous red giants with Kepler - II. Dependence of mass-loss on pulsations and radiation*”, 2021MNRAS.501.5135Y [ADS](#)
- Zaqarashvili, T. V., Albekiani, M., Ballester, J. L., et al., “*Rossby Waves in Astrophysics*”, 2021SSRv..217...15Z [ADS](#)
- Finsterle, W., Harra, L., Andretta, V., et al., “*A Journey of Exploration to the Polar Regions of a Star: Probing the Solar Poles and the Heliosphere from High Helio-Latitude*”, 2020AGUFMSH0110005F [ADS](#)
- Hanson, C. S., Duvall, T. L., Birch, A. C., Gizon, L., & Sreenivasan, K. R., “*Solar east-west flow correlations that persist for months at low latitudes are dominated by active region inflows*”, 2020A&A...644A.103H [ADS](#)
- Yelles Chaouche, L., Cameron, R. H., Solanki, S. K., et al., “*Power spectrum of turbulent convection in the solar photosphere*”, 2020A&A...644A..44Y [ADS](#)
- Poulier, P. L., Fournier, D., Gizon, L., & Duvall, T. L., “*Acoustic wave propagation through solar granulation: Validity of effective-medium theories, coda waves*”, 2020A&A...643A.168P [ADS](#)
- Staub, J., Fernandez-Rico, G., Gandorfer, A., et al., “*PMI: The Photospheric Magnetic Field Imager*”, 2020JWSC..10...54S [ADS](#)
- Gizon, L., Fournier, D., & Albekiani, M., “*Effect of latitudinal differential rotation on solar Rossby waves: Critical layers, eigenfunctions, and momentum fluxes in the equatorial  $\beta$  plane*”, 2020A&A...642A.178G [ADS](#)
- Solanki, S. K., del Toro Iniesta, J. C., Woch, J., et al., “*The Polarimetric and Helioseismic Imager on Solar Orbiter*”, 2020A&A...642A..11S [ADS](#)
- Zouganelis, I., De Groof, A., Walsh, A. P., et al., “*The Solar Orbiter Science Activity Plan. Translating solar and heliospheric physics questions into action*”, 2020A&A...642A..3Z [ADS](#)
- Heras, A. M., Rauer, H., Aerts, C., et al., “*The PLATO mission: Studying the diversity of exoplanets orbiting up to the habitable zone of Sun-like stars*”, 2020EPSC...14..396H [ADS](#)
- Goddard, C. R., Birch, A. C., Fournier, D., & Gizon, L., “*Predicting frequency changes of global-scale solar Rossby modes due to solar cycle changes in internal rotation*”, 2020A&A...640L..10G [ADS](#)
- Schunker, H., Baumgartner, C., Birch, A. C., et al., “*Average motion of emerging solar active region polarities. II. Joy’s law*”, 2020A&A...640A.116S [ADS](#)
- Alshehhi, R., Rodenbeck, K., Gizon, L., & Sreenivasan, K. R., “*Detection of exomoons in simulated light curves with a regularized convolutional neural network*”, 2020A&A...640A..41A [ADS](#)
- Gizon, L., Cameron, R. H., Pourabdian, M., et al., “*Meridional flow in the Sunextquoterights convection zone is a single cell in each hemisphere*”, 2020Sci...368.1469G [ADS](#)
- Rodenbeck, K., Heller, R., & Gizon, L., “*Exomoon indicators in high-precision transit light curves*”, 2020A&A...638A..43R [ADS](#)

- Hassler, D. M., Newmark, J., Gibson, S., et al., “*The Solaris Solar Polar Mission*”, 2020EGUGA..2217703H [ADS](#)
- Damiani, C., Cameron, R. H., Birch, A. C., & Gizon, L., “*Rossby modes in slowly rotating stars: depth dependence in distorted polytropes with uniform rotation*”, 2020A&A...637A..65D [ADS](#)
- Shapiro, A. V., Shapiro, A. I., Gizon, L., Krivova, N. A., & Solanki, S. K., “*Solar-cycle irradiance variations over the last four billion years*”, 2020A&A...636A..83S [ADS](#)
- Yu, J., Bedding, T. R., Stello, D., et al., “*Asteroseismology of luminous red giants with Kepler I: long-period variables with radial and non-radial modes*”, 2020MNRAS.493.1388Y [ADS](#)
- Kupka, F., Fabbian, D., Krüger, D., Kostogryz, N., & Gizon, L., “*On long-duration 3D simulations of stellar convection using ANTARES*”, 2020IAUGA..30..373K [ADS](#)
- Böning, V. G. A., Birch, A. C., Gizon, L., Duvall, T. L., & Schou, J., “*Characterizing the spatial pattern of solar supergranulation using the bispectrum*”, 2020A&A...635A.181B [ADS](#)
- Hanson, C. S., Gizon, L., & Liang, Z.-C., “*Solar Rossby waves observed in GONG++ ring-diagram flow maps*”, 2020A&A...635A.109H [ADS](#)
- Proxauf, B., Gizon, L., Löptien, B., et al., “*Exploring the latitude and depth dependence of solar Rossby waves using ring-diagram analysis*”, 2020A&A...634A..44P [ADS](#)
- Barucq, H., Faucher, F., Fournier, D., Gizon, L., & Pham, H., “*Efficient and Accurate Algorithm for the Full Modal Green’s Kernel of the Scalar Wave Equation in Helioseismology*”, 2020SJAM...80.2657B [ADS](#)
- Nagashima, K., Birch, A. C., Schou, J., Hindman, B. W., & Gizon, L., “*An improved multi-ridge fitting method for ring-diagram helioseismic analysis*”, 2020A&A...633A.109N [ADS](#)
- Papini, E. & Gizon, L., “*Asteroseismic Signature of a Large Active Region*”, 2019FrASS...6..72P [ADS](#)
- Shapiro, A. V., Shapiro, A. I., Gizon, L., Krivova, N. A., & Solanki, S. K., “*Solar irradiance variability over last four billion years*”, 2019EPSC...13.2071S [ADS](#)
- Böning, V. G. A., Hu, H., & Gizon, L., “*Signature of solar g modes in first-order p-mode frequency shifts*”, 2019A&A...629A..26B [ADS](#)
- Birch, A. C., Schunker, H., Braun, D. C., & Gizon, L., “*Average surface flows before the formation of solar active regions and their relationship to the supergranulation pattern*”, 2019A&A...628A..37B [ADS](#)
- Gottschling, N., Schunker, H., Birch, A. C., & Gizon, L., “*Evolution of Flows around Emerging Active Regions*”, 2019AA...23440201G [ADS](#)
- Proxauf, B. S. N., Gizon, L., Löptien, B., et al., “*On the latitude dependence of Rossby waves in the Sun*”, 2019AAS...23431801P [ADS](#)
- Kostogryz, N., Fournier, D., & Gizon, L., “*Modeling observables for local helioseismology*”, 2019AAS...23430705K [ADS](#)
- Liang, Z.-C., Gizon, L., Birch, A. C., & Duvall, T. L., “*Time-distance helioseismology of solar Rossby waves*”, 2019A&A...626A..3L [ADS](#)
- Schunker, H., Birch, A. C., Cameron, R. H., et al., “*Average motion of emerging solar active region polarities. I. Two phases of emergence*”, 2019A&A...625A..53S [ADS](#)
- Benomar, O., Goupil, M., Belkacem, K., et al., “*VizieR Online Data Catalog: Asymmetry of oscillations in 43 Kepler stars (Benomar+, 2018)*”, 2019yCat..18570119B [ADS](#)
- Bazot, M., Benomar, O., Christensen-Dalsgaard, J., et al., “*Latitudinal differential rotation in the solar analogues 16 Cygni A and B*”, 2019A&A...623A.125B [ADS](#)
- Lanza, A. F., Gizon, L., Zaqrashvili, T. V., Liang, Z. C., & Rodenbeck, K., “*Sectoral r modes and periodic radial velocity variations of Sun-like stars*”, 2019A&A...623A..50L [ADS](#)
- Alshehhi, R., Hanson, C. S., Gizon, L., & Hanasoge, S., “*Supervised neural networks for helioseismic ring-diagram inversions*”, 2019A&A...622A.124A [ADS](#)
- Nielsen, M. B., Gizon, L., Cameron, R. H., & Miesch, M., “*Starspot rotation rates versus activity cycle phase: Butterfly diagrams of Kepler stars are unlike that of the Sun*”, 2019A&A...622A..85N [ADS](#)
- Gizon, L., Fournier, D., Yang, D., Birch, A. C., & Barucq, H., “*Signal and noise in helioseismic holography*”, 2018A&A...620A.136G [ADS](#)
- Nielsen, M. B., Gizon, L., Cameron, R. H., & Miesch, M., “*VizieR Online Data Catalog: Starspot rotation rates vs. activity cycle phase (Nielsen+, 2019)*”, 2018yCat..36220085N [ADS](#)
- Alshehhi, R., Hanson, C. S., & Gizon, L., “*Supervised Neural Networks for Helioseismic Ring-diagram Inversions*”, 2018csc..confE..83A [ADS](#)
- Liang, Z.-C., Gizon, L., Birch, A. C., Duvall, Thomas L., J., & Rajaguru, S. P., “*Twenty-one-year helioseismic measurement of solar meridional circulation from SOHO/MDI and SDO/HMI: Anomalous northern hemisphere during cycle 24*”, 2018csc..confE..59L [ADS](#)
- Duvall, T. L., J., Birch, A. C., Liang, Z. C., & Gizon, L., “*Rossby waves in the solar convection zone measured by deep-focus time-distance helioseismology*”, 2018csc..confE..57D [ADS](#)
- Nagashima, K., Birch, A. C., Schou, J., Hindman, B., & Gizon, L., “*Towards improved multi-ridge fitting method for ring-diagram analysis*”, 2018csc..confE..50N [ADS](#)
- Schunker, H., Birch, A., Cameron, R., Braun, D., & Gizon, L., “*Statistical constraints on active region emergence from the surface motion of the polarities*”, 2018csc..confE..45S [ADS](#)
- Proxauf, B., Gizon, L., Löptien, B., et al., “*On the depth dependence of solar equatorial Rossby waves*”, 2018csc..confE..43P [ADS](#)
- Birch, A., Duvall, T., Gizon, L., et al., “*Revisiting helioseismic constraints on subsurface convection*”, 2018csc..confE..42B [ADS](#)
- Bazot, M., Nielsen, M. B., Mary, D., et al., “*Butterfly diagram of a Sun-like star observed using asteroseismology*”, 2018A&A...619L...9B [ADS](#)
- Liang, Z.-C., Gizon, L., Birch, A. C., Duvall, T. L., & Rajaguru, S. P., “*Solar meridional circulation from twenty-one years of SOHO/MDI and SDO/HMI observations. Helioseismic travel times and forward modeling in the ray approximation*”, 2018A&A...619A..99L [ADS](#)
- Benomar, O., Bazot, M., Nielsen, M. B., et al., “*Asteroseismic detection of latitudinal differential rotation in 13 Sun-like stars*”, 2018Sci...361.1231B [ADS](#)
- Langfellner, J., Birch, A. C., & Gizon, L., “*Evolution and wave-like properties of the average solar supergranule*”, 2018A&A...617A..97L [ADS](#)
- Rodenbeck, K., Heller, R., Hippke, M., & Gizon, L., “*Revisiting the exomoon candidate signal around Kepler-1625 b*”, 2018A&A...617A..49R [ADS](#)
- Fournier, D., Hanson, C. S., Gizon, L., & Barucq, H., “*Sensitivity kernels for time-distance helioseismology. Efficient computation for spherically symmetric solar models*”, 2018A&A...616A.156F [ADS](#)
- Liang, Z. C., Gizon, L., Birch, A. C., Duvall, T. L. J., & Rajaguru, S. P., “*VizieR Online Data Catalog: Helioseismic measurements of solar meridional flow (Liang+, 2018)*”, 2018yCat..36190099L [ADS](#)
- Schunker, H., Schou, J., Gaulme, P., & Gizon, L., “*Fragile Detection of Solar g -Modes by Fossat et al.*”, 2018SoPh..293..95S [ADS](#)
- Duvall, Thomas L., J., Cally, P. S., Przybylski, D., Nagashima, K., & Gizon, L., “*Probing sunspots with two-skip time-distance helioseismology*”, 2018A&A...613A..73D [ADS](#)
- Löptien, B., Gizon, L., Birch, A. C., et al., “*Global-scale equatorial Rossby waves as an essential component of solar internal dynamics*”, 2018NatAs...2..568L [ADS](#)
- Pourabedian, M., Fournier, D., & Gizon, L., “*Comparison of Travel-Time and Amplitude Measurements for Deep-Focusing Time-Distance Helioseismology*”, 2018SoPh..293..66P [ADS](#)
- Benomar, O., Goupil, M., Belkacem, K., et al., “*Asymmetry of Line Profiles of Stellar Oscillations Measured by Kepler for Ensembles of Solar-like Oscillators: Impact on Mode Frequencies and Dependence on Effective Temperature*”, 2018ApJ...857..119B [ADS](#)
- Fournier, D., Leguèbe, M., Hanson, C. S., et al., “*Atmospheric-radiation boundary conditions for high-frequency waves in time-distance helioseismology*”, 2017A&A...608A.109F [ADS](#)
- Gorobets, A. Y., Berdyugina, S. V., Riethmüller, T. L., et al., “*The Maximum Entropy Limit of Small-scale Magnetic Field Fluctuations in the Quiet Sun*”, 2017ApJS..233...5G [ADS](#)
- Bhattacharya, J., Hanasoge, S. M., Birch, A. C., & Gizon, L., “*Recovery of subsurface profiles of supergranular flows via iterative inversion of synthetic travel times*”, 2017A&A...607A.129B [ADS](#)
- Bazot, M., Christensen-Dalsgaard, J., Benomar, O., & Gizon, L., “*A view into the core of α Cen A*”, 2017EPJWC.16003006B [ADS](#)
- Michel, E., Belkacem, K., Samadi, R., et al., “*Promoting access to and use of seismic data in a large scientific community. SpaceInn data handling and archiving*”, 2017EPJWC.16001011M [ADS](#)
- Löptien, B., Birch, A. C., Duvall, T. L., et al., “*Measuring solar active region inflows with local correlation tracking of granulation*”, 2017A&A...606A..28L [ADS](#)
- Hanasoge, S. M., Woodard, M., Antia, H. M., Gizon, L., & Sreenivasan, K. R., “*Sensitivity of helioseismic measurements of normal-mode coupling to flows and sound-speed perturbations*”, 2017MNRAS.470.1404H [ADS](#)
- Bhattacharya, J., Hanasoge, S. M., Birch, A. C., & Gizon, L., “*Iterative inversion of synthetic travel times successful at recovering sub-surface profiles of supergranular flows*”, 2017arXiv170803464B [ADS](#)
- Duvall, T. L., Liang, Z.-C., Birch, A., Gizon, L., & Schou, J., “*Comparison of acoustic travel-time measurement of solar meridional circulation from SDO/HMI and SOHO/MDI*”, 2017SPD...4840103D [ADS](#)
- Langfellner, J., Birch, A., & Gizon, L., “*Supergranular waves revisited*”, 2017SPD...4840102L [ADS](#)
- Gizon, L., Fournier, D., & Hohage, T., “*Problems in computational helioseismology*”, 2017arXiv170708566G [ADS](#)
- Appourchaux, T., Auchère, F., Antonucci, E., et al., “*SOLARIS: Solar Sail Investigation of the Sun*”, 2017arXiv170708193A [ADS](#)
- Miglio, A., Chiappini, C., Mosser, B., et al., “*PLATO as it is : A legacy mission for Galactic archaeology*”, 2017AN....338..644M [ADS](#)

- Reinhold, T., Cameron, R. H., & Gizon, L., “Evidence for photometric activity cycles in 3203 Kepler stars”, 2017A&A...603A..52R [ADS](#)
- Nielsen, M. B., Schunker, H., Gizon, L., Schou, J., & Ball, W. H., “Limits on radial differential rotation in Sun-like stars from parametric fits to oscillation power spectra”, 2017A&A...603A..6N [ADS](#)
- Reinhold, T., Cameron, R. H., & Gizon, L., “VizieR Online Data Catalog: Activity cycles in 3203 Kepler stars (Reinhold+, 2017)”, 2017yCat..36030052R [ADS](#)
- Gafeira, R., Lagg, A., Solanki, S. K., et al., “Erratum: Morphological Properties of Slender CaII H Fibrils Observed by sunrise II (<A href=“<http://doi.org/10.3847/1538-4365/229/1/6>”>ApJS 229, 1, 6</A>)”, 2017ApJS..230...11G [ADS](#)
- White, T. R., Benomar, O., Silva Aguirre, V., et al., “Kepler observations of the asteroseismic binary HD 176465”, 2017A&A...601A..82W [ADS](#)
- Liang, Z.-C., Birch, A. C., Duvall, Thomas L., J., Gizon, L., & Schou, J., “Comparison of acoustic travel-time measurements of solar meridional circulation from SDO/HMI and SOHO/MDI”, 2017A&A...601A..46L [ADS](#)
- Jafarzadeh, S., Rutten, R. J., Solanki, S. K., et al., “Slender Ca II H Fibrils Mapping Magnetic Fields in the Low Solar Chromosphere”, 2017ApJS..229...11J [ADS](#)
- Ball, W. H. & Gizon, L., “Surface-effect corrections for oscillation frequencies of evolved stars”, 2017A&A...600A.128B [ADS](#)
- Gizon, L., Barucq, H., Duruflé, M., et al., “Computational helioseismology in the frequency domain: acoustic waves in axisymmetric solar models with flows”, 2017A&A...600A..35G [ADS](#)
- Wiegelmann, T., Neukirch, T., Nickeler, D. H., et al., “Magneto-static Modeling from Sunrise/IMax: Application to an Active Region Observed with Sunrise II”, 2017ApJS..229...18W [ADS](#)
- Riethmüller, T. L., Solanki, S. K., Barthol, P., et al., “A New MHD-assisted Stokes Inversion Technique”, 2017ApJS..229...16R [ADS](#)
- Requerey, I. S., Ruiz Cobo, B., Del Toro Iniesta, J. C., et al., “Spectropolarimetric Evidence for a Siphon Flow along an Emerging Magnetic Flux Tube”, 2017ApJS..229...15R [ADS](#)
- Kaithakkal, A. J., Riethmüller, T. L., Solanki, S. K., et al., “Moving Magnetic Features around a Pore”, 2017ApJS..229...13K [ADS](#)
- Jafarzadeh, S., Solanki, S. K., Gafeira, R., et al., “Transverse Oscillations in Slender Ca II H Fibrils Observed with Sunrise/SuFT”, 2017ApJS..229...9J [ADS](#)
- Jafarzadeh, S., Solanki, S. K., Cameron, R. H., et al., “Kinematics of Magnetic Bright Features in the Solar Photosphere”, 2017ApJS..229...8J [ADS](#)
- Gafeira, R., Jafarzadeh, S., Solanki, S. K., et al., “Oscillations on Width and Intensity of Slender Ca II H Fibrils from Sunrise/SuFT”, 2017ApJS..229...7G [ADS](#)
- Gafeira, R., Lagg, A., Solanki, S. K., et al., “Morphological Properties of Slender Ca II H Fibrils Observed by SUNRISE II”, 2017ApJS..229...6G [ADS](#)
- Danilovic, S., Solanki, S. K., Barthol, P., et al., “Photospheric Response to an Ellerman Bomb-like Event-An Analogy of Sunrise/IMax Observations and MHD Simulations”, 2017ApJS..229...5D [ADS](#)
- Chitta, L. P., Peter, H., Solanki, S. K., et al., “Solar Coronal Loops Associated with Small-scale Mixed Polarity Surface Magnetic Fields”, 2017ApJS..229...4C [ADS](#)
- Centeno, R., Blanco Rodríguez, J., Del Toro Iniesta, J. C., et al., “A Tale of Two Emergences: Sunrise II Observations of Emergence Sites in a Solar Active Region”, 2017ApJS..229...3C [ADS](#)
- Solanki, S. K., Riethmüller, T. L., Barthol, P., et al., “The Second Flight of the Sunrise Balloon-borne Solar Observatory: Overview of Instrument Updates, the Flight, the Data, and First Results”, 2017ApJS..229...2S [ADS](#)
- Nagashima, K., Fournier, D., Birch, A. C., & Gizon, L., “The amplitude of the cross-covariance function of solar oscillations as a diagnostic tool for wave attenuation and geometrical spreading”, 2017A&A...599A.111N [ADS](#)
- Löptien, B., Birch, A. C., Gizon, L., et al., “Helioseismology with Solar Orbiter”, 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, 257–289 2017hdssi.book..257L [ADS](#)
- Burston, R., Gizon, L., & Birch, A. C., “Interpretation of Helioseismic Travel Times”, 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, 207–225 2017hdssi.book..207B [ADS](#)
- Gizon, L., Thompson, M. J., Brun, A. S., et al., “Preface: Helioseismology and Dynamics of the 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, 1–5 2017hdssi.book....1G [ADS](#)
- Thompson, M. J., Brun, A. S., Culhane, J. L., et al.: 2017, *Helioseismology and Dynamics of the Solar Interior* 2017hdssi.book....T [ADS](#)
- Nascimbeni, V., Piotto, G., Ortolani, S., et al., “An all-sky catalogue of solar-type dwarfs for exoplanetary transit surveys”, 2016MNRAS.463.4210N [ADS](#)
- Appourchaux, T., Birch, A., Gizon, L. C., et al., “Far side Helioseismology with Solar Orbiter”, 2016AGUFMSH43A2554A [ADS](#)
- Langfellner, J., Birch, A. C., & Gizon, L., “Intensity contrast of the average supergranule”, 2016A&A...596A..66L [ADS](#)
- Gizon, L., Sekii, T., Takata, M., et al., “Shape of a slowly rotating star measured by asteroseismology”, 2016SciA...2E177G [ADS](#)
- Schunker, H., Braun, D. C., Birch, A. C., Burston, R. B., & Gizon, L., “SDO/HMI survey of emerging active regions for helioseismology”, 2016A&A...595A.107S [ADS](#)
- Barekat, A., Schou, J., & Gizon, L., “Solar-cycle variation of the rotational shear near the solar surface”, 2016A&A...595A...8B [ADS](#)
- Nascimbeni, V., Piotto, G., Ortolani, S., et al., “VizieR Online Data Catalog: All-sky catalog of solar-type dwarfs (Nascimbeni+, 2016)”, 2016yCat..74634210N [ADS](#)
- Nagashima, K., Sekii, T., Gizon, L., & Birch, A. C., “Statistics of the two-point cross-covariance function of solar oscillations”, 2016A&A...593A..41N [ADS](#)
- Bazot, M., Christensen-Dalsgaard, J., Gizon, L., & Benomar, O., “On the uncertain nature of the core of α Cen A”, 2016MNRAS.460.1254B [ADS](#)
- Ball, W. H., Beeck, B., Cameron, R. H., & Gizon, L., “MESA meets MURaM. Surface effects in main-sequence solar-like oscillators computed using three-dimensional radiation hydrodynamics simulations”, 2016A&A...592A.159B [ADS](#)
- Birch, A. C., Schunker, H., Braun, D. C., et al., “A low upper limit on the subsurface rise speed of solar active regions”, 2016SciA....2E0557B [ADS](#)
- Böning, V. G. A., Roth, M., Zima, W., Birch, A. C., & Gizon, L., “Sensitivity Kernels for Flows in Time-Distance Helioseismology: Extension to Spherical Geometry”, 2016ApJ...824...49B [ADS](#)
- Löptien, B., Birch, A. C., Duvall, T. L., Gizon, L., & Schou, J., “The shrinking Sun: A systematic error in local correlation tracking of solar granulation”, 2016A&A...590A.130L [ADS](#)
- Löptien, B., Birch, A. C., Duvall, T. L., Gizon, L., & Schou, J., “Data compression for local correlation tracking of solar granulation”, 2016A&A...587A...9L [ADS](#)
- Schunker, H., Schou, J., Ball, W. H., Nielsen, M. B., & Gizon, L., “Asteroseismic inversions for radial differential rotation of Sun-like stars: ensemble fits”, 2016A&A...586A..79S [ADS](#)
- Hanasoge, S., Gizon, L., & Sreenivasan, K. R., “Seismic Sounding of Convection in the Sun”, 2016AnRFM..48...191H [ADS](#)
- Löptien, B., Birch, A. C., Gizon, L., et al., “Helioseismology with Solar Orbiter”, 2015SSRV..196..251L [ADS](#)
- Burston, R., Gizon, L., & Birch, A. C., “Interpretation of Helioseismic Travel Times. Sensitivity to Sound Speed, Pressure, Density, and Flows”, 2015SSRV..196...201B [ADS](#)
- Tinetti, G., Drossart, P., Eccleston, P., et al., “The EChO science case”, 2015ExA....40..329T [ADS](#)
- Reinhold, T. & Gizon, L., “Rotation, differential rotation, and gyrochronology of active Kepler stars”, 2015A&A...583A..65R [ADS](#)
- Chaplin, W. J., Lund, M. N., Handberg, R., et al., “Asteroseismology of Solar-Type Stars with K2: Detection of Oscillations in C1 Data”, 2015PASP..127.1038C [ADS](#)
- Appourchaux, T., Antia, H. M., Ball, W., et al., “A seismic and gravitationally bound double star observed by Kepler. Implication for the presence of a convective core”, 2015A&A...582A..25A [ADS](#)
- Nielsen, M. B., Schunker, H., Gizon, L., & Ball, W. H., “Constraining differential rotation of Sun-like stars from asteroseismic and starspot rotation periods”, 2015A&A...582A..10N [ADS](#)
- Langfellner, J., Gizon, L., & Birch, A. C., “Spatially resolved vertical vorticity in solar supergranulation using helioseismology and local correlation tracking”, 2015A&A...581A..67L [ADS](#)
- Langfellner, J., Gizon, L., & Birch, A. C., “VizieR Online Data Catalog: Solar supergranular velocity profiles (Langfellner+, 2015)”, 2015yCat..35810067L [ADS](#)
- Langfellner, J., Gizon, L., & Birch, A. C., “Anisotropy of the solar network magnetic field around the average supergranule”, 2015A&A...579L...7L [ADS](#)
- Papini, E., Birch, A. C., Gizon, L., & Hanasoge, S. M., “Simulating acoustic waves in spotted stars”, 2015A&A...577A.145P [ADS](#)
- Jiang, J., Hathaway, D. H., Cameron, R. H., et al., “Magnetic Flux Transport at the Solar Surface”, 2014SSRV..186..491J [ADS](#)
- Rauer, H., Catala, C., Aerts, C., et al., “The PLATO 2.0 mission”, 2014ExA....38..249R [ADS](#)

- Löptien, B., Birch, A. C., Gizon, L., & Schou, J., “Image compression in local helioseismology”, 2014A&A...571A..42L [ADS](#)
- Barekat, A., Schou, J., & Gizon, L., “The radial gradient of the near-surface shear layer of the Sun”, 2014A&A...570L..12B [ADS](#)
- Langfellner, J., Gizon, L., & Birch, A. C., “Time-distance helioseismology: A new averaging scheme for measuring flow vorticity”, 2014A&A...570A..90L [ADS](#)
- Nagashima, K., Löptien, B., Gizon, L., et al., “Interpreting the Helioseismic and Magnetic Imager (HMI) Multi-Height Velocity Measurements”, 2014SoPh..289.3457N [ADS](#)
- Ball, W. H. & Gizon, L.: 2014, *A new correction of stellar oscillation frequencies for near-surface effects (Corrigendum)*, *Astronomy & Astrophysics*, Volume 569, id.C2, 1 pp., 2014A&A...569C..2B [ADS](#)
- Nielsen, M. B., Gizon, L., Schunker, H., & Schou, J., “VizieR Online Data Catalog: Rotational frequency splitting in Sun-like stars (Nielsen+, 2014)”, 2014yCat..35689012N [ADS](#)
- Nielsen, M. B., Gizon, L., Schunker, H., & Schou, J., “Rotational splitting as a function of mode frequency for six Sun-like stars”, 2014A&A...568L..12N [ADS](#)
- Ball, W. H. & Gizon, L., “A new correction of stellar oscillation frequencies for near-surface effects”, 2014A&A...568A.123B [ADS](#)
- Roudier, T., Švanda, M., Rieutord, M., et al., “Structure and evolution of solar supergranulation using SDO/HMI data”, 2014A&A...567A.138R [ADS](#)
- Fournier, D., Gizon, L., Hohage, T., & Birch, A. C., “Generalization of the noise model for time-distance helioseismology”, 2014A&A...567A.137F [ADS](#)
- Papini, E., Gizon, L., & Birch, A. C., “Propagating Linear Waves in Convectively Unstable Stellar Models: A Perturbative Approach”, 2014SoPh..289.1919P [ADS](#)
- Pagano, I., Rauer, H., Aerts, C., et al., “The PLATO 2.0 Mission”, 2014EPSC..9..789P [ADS](#)
- Boumier, P., Benomar, O., Baudin, F., et al., “Seismic analysis of HD 43587Aa, a solar-like oscillator in a multiple system”, 2014A&A...564A..34B [ADS](#)
- Deheuvels, S., Dogan, G., Goupil, M. J., et al., “Seismic constraints on the radial dependence of the internal rotation profiles of six Kepler subgiants and young red giants”, 2014A&A...564A..27D [ADS](#)
- Danilovic, S., Hirzberger, J., Riethmüller, T. L., et al., “Comparison between Mg II k and Ca II H Images Recorded by SUNRISE/SuFI”, 2014ApJ...784...20D [ADS](#)
- Cameron, R. H., Jiang, J., Schüssler, M., & Gizon, L., “Physical causes of solar cycle amplitude variability”, 2014JGRA..119..680C [ADS](#)
- Ball, W. H., Schou, J., Gizon, L., & Marques, J. P. C., “Precise and accurate interpolated stellar oscillation frequencies on the main sequence”, 2014IAUS..301..379B [ADS](#)
- Chaplin, W. J., Basu, S., Huber, D., et al., “VizieR Online Data Catalog: Asteroseismic study of solar-type stars (Chaplin+, 2014)”, 2014yCat..22100001C [ADS](#)
- Nagashima, K., Gizon, L., Birch, A., et al., “Helioseismic and Magnetic Imager Multi-height Dopplergrams”, 2014arXiv1401.3182N [ADS](#)
- Chaplin, W. J., Basu, S., Huber, D., et al., “Asteroseismic Fundamental Properties of Solar-type Stars Observed by the NASA Kepler Mission”, 2014ApJS..210...1C [ADS](#)
- Nagashima, K., Gizon, L., Birch, A., et al., “Helioseismic and Magnetic Imager Multi-height Dopplergrams”, 2013ASPC..479..429N [ADS](#)
- Nielsen, M. B., Gizon, L., Schunker, H., & Karoff, C., “Measuring Stellar Rotation Periods with Kepler”, 2013ASPC..479..137N [ADS](#)
- Riethmüller, T. L., Solanki, S. K., Hirzberger, J., et al., “First High-resolution Images of the Sun in the 2796 Å Mg II k Line”, 2013ApJ...776L..13R [ADS](#)
- Schunker, H., Gizon, L., Cameron, R. H., & Birch, A. C., “Helioseismology of sunspots: how sensitive are travel times to the Wilson depression and to the subsurface magnetic field?”, 2013A&A...558A.130S [ADS](#)
- Liang, Z. C., Gizon, L., Schunker, H., & Philippe, T., “Helioseismology of sunspots: defocusing, folding, and healing of wavefronts”, 2013A&A...558A.129L [ADS](#)
- Chaplin, W. J., Kjeldsen, H., Christensen-Dalsgaard, J., et al., “Kepler White Paper: Asteroseismology of Solar-Like Oscillators in a 2-Wheel Mission”, 2013arXiv1309.0702C [ADS](#)
- Nielsen, M. B., Gizon, L., Schunker, H., & Karoff, C., “Rotation periods of 12 000 main-sequence Kepler stars: Dependence on stellar spectral type and comparison with  $v \sin i$  observations”, 2013A&A...557L..10N [ADS](#)
- Nielsen, M. B., Gizon, L., Schunker, H., & Karoff, C., “VizieR Online Data Catalog: Rotation periods of 12000 Kepler stars (Nielsen+, 2013)”, 2013yCat..35579010N [ADS](#)
- Gizon, L., Ballot, J., Michel, E., et al., “Seismic constraints on rotation of Sun-like star and mass of exoplanet”, 2013PNAS..11013267G [ADS](#)
- Hanasoge, S. M., Gizon, L., & Bal, G., “Propagation of Seismic Waves Through a Spatio-temporally Fluctuating Medium: Homogenization”, 2013ApJ...773..101H [ADS](#)
- Švanda, M., Roudier, T., Rieutord, M., Burston, R., & Gizon, L., “Comparison of Solar Surface Flows Inferred from Time-Distance Helioseismology and Coherent Structure Tracking Using HMI/SDO Observations”, 2013ApJ...771..32S [ADS](#)
- Roudier, T., Rieutord, M., Prat, V., et al., “Comparison of solar horizontal velocity fields from SDO/HMI and Hinode data”, 2013A&A...552A.113R [ADS](#)
- Nagashima, K., Gizon, L., Birch, A., et al., “Extracting multi-height velocity information from SDO/HMI Dopplergrams”, 2013enss.confE..76N [ADS](#)
- Langfellner, J., Gizon, L., Birch, A., & Schunker, H., “Probing vortical motions in the Sun with time-distance helioseismology”, 2013enss.confE..69L [ADS](#)
- Aharonian, F., Arshakian, T. G., Allen, B., et al., “Pathway to the Square Kilometre Array - The German White Paper -”, 2013arXiv1301.4124A [ADS](#)
- Hanasoge, S., Birch, A., Gizon, L., & Tromp, J., “Seismic Probes of Solar Interior Magnetic Structure”, 2012PhRvL.109j1101H [ADS](#)
- Deheuvels, S., García, R. A., Chaplin, W. J., et al., “Seismic Evidence for a Rapidly Rotating Core in a Lower-giant-branch Star Observed with Kepler”, 2012ApJ...756..19D [ADS](#)
- Gizon, L. & Marques, J., “Solar results in the stellar context”, 2012cosp...39..625G [ADS](#)
- Gizon, L. & Birch, A. C., “Helioseismology challenges models of solar convection”, 2012PNAS..10911896G [ADS](#)
- Escobar, M. E., Théado, S., Vauclair, S., et al., “Precise modeling of the exoplanet host star and CoRoT main target HD 52265”, 2012A&A...543A..96E [ADS](#)
- Roudier, T., Malherbe, J., Rieutord, M., et al., “Some Dynamic Analysis of the Photosphere from Hinode/SOT and SDO/HMI Observations”, 2012ASPC..456..65R [ADS](#)
- Roudier, T., Rieutord, M., Malherbe, J. M., et al., “Quasi full-disk maps of solar horizontal velocities using SDO/HMI data”, 2012A&A...540A..88R [ADS](#)
- Metcalf, T. S., Chaplin, W. J., Appourchaux, T., et al., “Asteroseismology of the Solar Analogs 16 Cyg A and B from Kepler Observations”, 2012ApJ...748L..10M [ADS](#)
- Jackiewicz, J., Birch, A. C., Gizon, L., et al., “Multichannel Three-Dimensional SOLA Inversion for Local Helioseismology”, 2012SoPh..276..19J [ADS](#)
- Hanasoge, S., Birch, A. C., Gizon, L. C., & Tromp, J., “The adjoint method applied to time-distance helioseismology”, 2011AGUFMSH51B2002H [ADS](#)
- Hanasoge, S. M., Birch, A., Gizon, L., & Tromp, J., “The Adjoint Method Applied to Time-distance Helioseismology”, 2011ApJ...738..100H [ADS](#)
- Schunker, H., Cameron, R. H., Gizon, L., & Moradi, H., “Constructing and Characterising Solar Structure Models for Computational Helioseismology”, 2011SoPh..271..1S [ADS](#)
- Birch, A. C., Gizon, L., & Burston, R., “Erratum: “Linear sensitivity of helioseismic travel times to local flows””, 2011AN...332..658B [ADS](#)
- Švanda, M., Gizon, L., Hanasoge, S. M., & Ustyugov, S. D., “Validated helioseismic inversions for 3D vector flows”, 2011A&A...530A.148S [ADS](#)
- Ballot, J., Gizon, L., Samadi, R., et al., “Accurate p-mode measurements of the GOV metal-rich CoRoT target HD 52265”, 2011A&A...530A..97B [ADS](#)
- Cameron, R., Gizon, L., & Daifallah, K.: 2011, *SLiM: A Code for the Simulation of Wave Propagation through an Inhomogeneous, Magnetised Solar Atmosphere*, Astrophysics Source Code Library, record ascl:1105.004 2011ascl.soft05004C [ADS](#)
- Daifallah, K., Abdelfatif, T., Bendib, A., Cameron, R., & Gizon, L., “3D Numerical Simulations of f-Mode Propagation Through Magnetic Flux Tubes”, 2011SoPh..268..309D [ADS](#)
- Cameron, R. H., Gizon, L., Schunker, H., & Pietarila, A., “Constructing Semi-Empirical Sunspot Models for Helioseismology”, 2011SoPh..268..293C [ADS](#)
- Roth, M., Lühe, O. v. d., Aerts, C., et al., “Four years of HELAS”, 2010AN...331.1084R [ADS](#)
- Moradi, H., Baldner, C., Birch, A. C., et al., “Modeling the Subsurface Structure of Sunspots”, 2010SoPh..267..1M [ADS](#)
- Hanasoge, S. M., Komatsitsch, D., & Gizon, L., “An absorbing boundary formulation for the stratified, linearized, ideal MHD equations based on an unsplit, convolutional perfectly matched layer”, 2010A&A...522A..87H [ADS](#)
- Liang, Z. C., Gizon, L., & Schunker, H., “Scattering of helioseismic waves by a sunspot: waveform healing and folding”, 2010arXiv1010.0216L [ADS](#)
- Gizon, L., Schunker, H., Baldner, C. S., et al., “Erratum: Erratum to: Helioseismology of Sunspots: A Case Study of NOAA Region 9787”, 2010SSRv..156..257G [ADS](#)
- Gizon, L., Birch, A. C., & Spruit, H. C., “Local Helioseismology: Three-Dimensional Imaging of the Solar Interior”, 2010ARA&A..48..289G [ADS](#)
- Birch, A., Braun, D. C., Crouch, A., et al., “Developing Physics-Based Procedures for Local Helioseismic Probing of Sunspots and Magnetic Regions”, 2010AAS...21630805B [ADS](#)
- Saidi, Y., Burston, R., Moradi, H., & Gizon, L., “German Science Center for the Solar Dynamics Observatory”, 2010arXiv1004.4312S [ADS](#)

- Schunker, H., Cameron, R., & Gizon, L., “*Convectively stabilised background solar models for local helioseismology*”, 2010arXiv1002.1969S [ADS](#)
- Schunker, H., Cameron, R., & Gizon, L., “*Numerical Simulations of Quiet Sun Oscillations*”, 2009ASPC..416..49S [ADS](#)
- Jackiewicz, J., Birch, A., & Gizon, L., “*Multi-channel OLA Inversion for Local Helioseismology*”, 2009SPD....40.0714J [ADS](#)
- Gizon, L., “*Probing the Solar Interior in Three Dimensions*”, 2009SPD....40.0201G [ADS](#)
- Gizon, L., Schunker, H., Baldner, C. S., et al., “*Helioseismology of Sunspots: A Case Study of NOAA Region 9787*”, 2009SSRv..144..249G [ADS](#)
- Appourchaux, T., Liewer, P., Watt, M., et al., “*POLAR investigation of the Sun-POLARIS*”, 2009ExA....23.1079A [ADS](#)
- Appourchaux, T., Burston, R., Chen, Y., et al., “*Astrodynamic Space Test of Relativity Using Optical Devices I (ASTROD I)-A class-M fundamental physics mission proposal for Cosmic Vision 2015-2025*”, 2009ExA....23..491A [ADS](#)
- Gizon, L., Schunker, H., Baldner, C. S., et al., “*Helioseismology of Sunspots: A Case Study of NOAA Region 9787*”, in M. J. Thompson, A. Balogh, J. L. Culhane, Å. Nordlund, S. K. Solanki, and J. P. Zahn (Eds.), *The Origin and Dynamics of Solar Magnetism*, Vol. 32, 249 2009odsm.book..249G [ADS](#)
- Martínez Pillet, V., Kosovichev, A., Mariska, J. T., et al., “*Commission 12: Solar Radiation and Structure*”, 2009IAUTA..27..104M [ADS](#)
- Stahn, T. & Gizon, L., “*Fourier analysis of gapped time-series*”, 2008CoAst.157..369S [ADS](#)
- Burston, R., Gizon, L., Saidi, Y., & Solanki, S. K., “*German Data Center for the Solar Dynamics Observatory: A model for the PLATO mission?*”, 2008CoAst.157..293B [ADS](#)
- Schunker, H. & Gizon, L., “*HELAS Local Helioseismology Activities*”, 2008CoAst.156..93S [ADS](#)
- Schunker, H., Gizon, L., & Roth, M., “*HELAS: local helioseismology data website*”, 2008JPhCS.118a2087S [ADS](#)
- Burston, R., Gizon, L., Appourchaux, T., Ni, W. T., & ASTROD I ESA cosmic vision 2015-2025 Team, “*Detecting solar g modes with ASTROD*”, 2008JPhCS.118a2043B [ADS](#)
- Jackiewicz, J., Gizon, L., & Birch, A. C., “*The forward and inverse problems in time-distance helioseismology*”, 2008JPhCS.118a2033J [ADS](#)
- Hirzberger, J., Gizon, L., Solanki, S. K., & Duvall, T. L., “*Structure and Evolution of Supergranulation from Local Helioseismology*”, 2008SoPh..251..417H [ADS](#)
- Jackiewicz, J., Gizon, L., & Birch, A. C., “*High-Resolution Mapping of Flows in the Solar Interior: Fully Consistent OLA Inversion of Helioseismic Travel Times*”, 2008SoPh..251..381J [ADS](#)
- Cameron, R., Gizon, L., & Duvall, T. L., J., “*Helioseismology of Sunspots: Confronting Observations with Three-Dimensional MHD Simulations of Wave Propagation*”, 2008SoPh..251..291C [ADS](#)
- Gizon, L. & Rempel, M., “*Observation and Modeling of the Solar-Cycle Variation of the Meridional Flow*”, 2008SoPh..251..241G [ADS](#)
- Stahn, T. & Gizon, L., “*Fourier Analysis of Gapped Time Series: Improved Estimates of Solar and Stellar Oscillation Parameters*”, 2008SoPh..251..31S [ADS](#)
- Gizon, L., Cally, P., & Leibacher, J., “*Preface*”, 2008SoPh..251....1G [ADS](#)
- Schunker, H., Cameron, R., & Gizon, L., “*The seismic effects of a sunspot*”, 2008ESPM...12..3.5S [ADS](#)
- Gizon, L., “*Solar Interior and Helioseismology*”, 2008ESPM...12..2.1G [ADS](#)
- Gizon, L. & Roth, M., “*FOREWORD: HELAS II International Conference*”, 2008JPhCS.118a1001G [ADS](#)
- Hanasoge, S. M., Birch, A. C., Bogdan, T. J., & Gizon, L., “*f-Mode Interactions with Thin Flux Tubes: The Scattering Matrix*”, 2008ApJ...680..774H [ADS](#)
- Jackiewicz, J., Gizon, L., Birch, A. C., & Duvall, T. L., J., “*Time-Distance Helioseismology: Sensitivity of f-mode Travel Times to Flows*”, 2007ApJ...671.1051J [ADS](#)
- Bedding, T. R., Brun, A. S., Christensen-Dalsgaard, J., et al., “*Joint Discussion 17 Highlights of recent progress in the seismology of the Sun and Sun-like stars*”, 2007HiA....14..491B [ADS](#)
- Birch, A. C., Gizon, L., Hindman, B. W., & Haber, D. A., “*The Linear Sensitivity of Helioseismic Ring Diagrams to Local Flows*”, 2007ApJ...662..730B [ADS](#)
- Woch, J. & Gizon, L., “*The Solar Orbiter mission and its prospects for helioseismology*”, 2007AN....328..362W [ADS](#)
- Cameron, R., Gizon, L., & Daiffallah, K., “*SLIM: a code for the simulation of wave propagation through an inhomogeneous, magnetised solar atmosphere*”, 2007AN....328..313C [ADS](#)
- Jackiewicz, J., Gizon, L., Birch, A. C., & Thompson, M. J., “*A procedure for the inversion of f-mode travel times for solar flows*”, 2007AN....328..234J [ADS](#)
- Birch, A. C. & Gizon, L., “*Linear sensitivity of helioseismic travel times to local flows*”, 2007AN....328..228B [ADS](#)
- Roth, M., Gizon, L., & Beck, J. G., “*Measuring helioseismic travel times*”, 2007AN....328..215R [ADS](#)
- Gizon, L. & Thompson, M. J., “*Outstanding problems in local helioseismology*”, 2007AN....328..204G [ADS](#)
- Hirzberger, J., Gizon, L., Solanki, S. K., & Duvall, T. L., “*Structure and evolution of supergranulation from local helioseismology*”, 2007msfa.conf..103H [ADS](#)
- Gizon, L., Cameron, R., Jackiewicz, J., et al., “*Helioseismology at MPS*”, 2007msfa.conf..89G [ADS](#)
- Gizon, L., “*Helioseismology With Solar Orbiter: Science Objectives, Observational Strategies And Requirements*”, 2007ESASP.641E..26G [ADS](#)
- Roth, M., Lühe, O. v. d., Pallé, P., et al., “*European helio- and asteroseismology network HELAS*”, 2006ESASP.624E.130R [ADS](#)
- Gizon, L. & Rempel, M., “*Time-varying component of the solar meridional flow*”, 2006ESASP.624E.129G [ADS](#)
- Cameron, R. & Gizon, L., “*Three-dimensional numerical simulation of wave propagation through a model sunspot*”, 2006ESASP.624E..63C [ADS](#)
- Jackiewicz, J., Gizon, L., & Birch, A., “*f-mode sensitivity kernels for flows*”, 2006ESASP.624E..52J [ADS](#)
- Gizon, L., Hanasoge, S. M., & Birch, A. C., “*Acoustic scattering by flux tubes: is the Born approximation valid?*”, 2006ESASP.624E..44G [ADS](#)
- Roth, M., Gizon, L., & Birch, A. C., “*Sensitivity kernels for helioseismic travel times in spherical geometry preliminary results*”, 2006ESASP.624E..43R [ADS](#)
- Gizon, L., “*Introductory - Overview: Local helioseismology*”, 2006IAUJD..17E..11G [ADS](#)
- Roth, M., Lühe, O. v. d., Pallé, P., et al., “*Helas-European Helio- and Asteroseismology Network*”, 2006ESASP.617E.157R [ADS](#)
- Jackiewicz, J., Gizon, L., & Birch, A. C., “*Sensitivity of Solar F-Mode Travel Times to Internal Flows*”, 2006ESASP.617E..38J [ADS](#)
- Gizon, L., “*Probing Convection and Solar Activity with Local Helioseismology*”, 2006ESASP.617E..5G [ADS](#)
- Duvall, T. L., J., Birch, A. C., & Gizon, L., “*Direct Measurement of Travel-Time Kernels for Helioseismology*”, 2006ApJ...646..553D [ADS](#)
- Birch, A., Duvall, T. L., Gizon, L., & Jackiewicz, J., “*Helioseismology of the ‘Average’ Supergranule*”, 2006SPD....37.0505B [ADS](#)
- Gizon, L., Hanasoge, S. M., & Birch, A. C., “*Scattering of Acoustic Waves by a Magnetic Cylinder: Accuracy of the Born Approximation*”, 2006ApJ...643..549G [ADS](#)
- Gizon, L., “*Tomography of the Solar Interior*”, 2006MPLA...21.1701G [ADS](#)
- Gizon, L., “*Line Profiles of Fundamental Modes of Solar Oscillation*”, 2006CEAB...30....1G [ADS](#)
- Gizon, L. & Birch, A. C., “*Local Helioseismology*”, 2005LRSP....2....6G [ADS](#)
- Couvidat, S., Gizon, L., Birch, A. C., Larsen, R. M., & Kosovichev, A. G., “*Time-Distance Helioseismology: Inversion of Noisy Correlated Data*”, 2005ApJS..158..217C [ADS](#)
- Zhao, J. & Gizon, L., “*Do Supergranules Tend to Align in the North-South Direction?*”, 2005AGUSMSP24A..04Z [ADS](#)
- Duvall, T. L., Birch, A. C., & Gizon, L., “*Direct Measurement of Wave Kernels in Time-Distance Helioseismology*”, 2005AGUSMSP23C..02D [ADS](#)
- Couvidat, S., Birch, A. C., & Gizon, L., “*Time-Distance Helioseismology: Impact of Phase-Speed Filters on Travel-Time Measurements*”, 2005AGUSMSP11B..01C [ADS](#)
- Gizon, L., “*Helioseismology of Time-Varying Flows Through The Solar Cycle*”, 2004SoPh..224..217G [ADS](#)
- Couvidat, S., Gizon, L., & Birch, A. C., “*Validation of 3d Helioseismic Inversions of Travel-Times Through Simulations of Artificial Data with the Correct Noise Statistics*”, 2004ESASP.559..384C [ADS](#)
- Gizon, L. & Birch, A. C., “*Time-Distance Helioseismology: Noise Estimation*”, 2004ApJ...614..472G [ADS](#)
- Hindman, B. W., Gizon, L., Duvall, Thomas L., J., Haber, D. A., & Toomre, J., “*Comparison of Solar Subsurface Flows Assessed by Ring and Time-Distance Analyses*”, 2004ApJ...613.1253H [ADS](#)
- Gizon, L. & Solanki, S. K., “*Measuring Stellar Differential rotation with asteroseismology*”, 2004SoPh..220..169G [ADS](#)
- Gizon, L. & Duvall, T. L., “*Solar-cycle variations in the spectrum of supergranulation*”, 2004IAU...223..41G [ADS](#)
- Gizon, L.: 2003, “*Probing flows in the upper solar convection zone*”, Ph.D. thesis, Stanford University, California 2003PhDT.....9G [ADS](#)
- Gizon, L. & Solanki, S. K., “*Determining the Inclination of the Rotation Axis of a Sun-like Star*”, 2003ApJ...589.1009G [ADS](#)
- Gizon, L., Duvall, T. L., & Schou, J., “*erratum: Wave-like properties of solar supergranulation*”, 2003Natur.421..764G [ADS](#)
- Hindman, B., Gizon, L., Haber, D., Duval, Thomas, J., & Toomre, J., “*Comparison of near-surface flows assessed by ring-diagram and f-mode time-distance analyses*”, 2003ESASP.517..299H [ADS](#)

- Gizon, L. & Duvall, T. L., J., “*Supergranulation supports waves*”, 2003ESASP.517..43G [ADS](#)
- Gizon, L., Duvall, T. L., & Schou, J., “*Wave-like properties of solar supergranulation*”, 2003Natur.421..43G [ADS](#)
- Gizon, L. & Solanki, S. K., “*Asteroseismic Determination of a Star*”, 2003IAUJD..12E..19G [ADS](#)
- Kosovichev, A. G., Duvall, T. L., Birch, A. C., et al., “*Acoustic Tomography of the Sun’s Interior with SDO: Possibilities and Limitations*”, 2002AGUFMSH21C..06K [ADS](#)
- Beck, J. G., Gizon, L., & Duvall, T. L., J., “*A New Component of Solar Dynamics: North-South Diverging Flows Migrating toward the Equator with an 11 Year Period*”, 2002ApJ...575L..47B [ADS](#)
- Gizon, L., “*Prospects for detecting stellar activity through asteroseismology*”, 2002AN....323..251G [ADS](#)
- Gizon, L. & Birch, A. C., “*Time-Distance Helioseismology: The Forward Problem for Random Distributed Sources*”, 2002ApJ...571..966G [ADS](#)
- Duvall, T. L., J., Beck, J. G., Gizon, L., & Kosovichev, A. G., “*Advances in Time-Distance Helioseismology*”, 2002AAS...200.7902D [ADS](#)
- Kosovichev, A. G., Duvall, T. L., Birch, A. C., et al., “*Local-area helioseismology as a diagnostic tool for solar variability*”, 2002AdSpR..29.1899K [ADS](#)
- Gizon, L. & Birch, A. C., “*The Linearized Forward Problem for Time-Distance Helioseismology*”, 2001AGUFMSH1B#711G [ADS](#)
- Gizon, L. & Birch, A. C., “*Travel-time sensitivity kernels for time-distance helioseismology*”, 2001ESASP.493..233G [ADS](#)
- Gizon, L., Birch, A. C., Bush, R. I., et al., “*Time-distance helioseismology and the Solar Orbiter mission*”, 2001ESASP.493..227G [ADS](#)
- Gizon, L., Birch, A. C., & Jensen, J. M., “*Connection Between Phase-Sensitive Holography and Time-Distance Helioseismology*”, 2001AGUSM..SP31A22G [ADS](#)
- Gizon, L., Duvall, T. L., J., & Larsen, R. M., “*Probing Surface Flows and Magnetic Activity with Time-Distance Helioseismology*”, 2001IAUS..203..189G [ADS](#)
- Kosovichev, A. G., Duvall, T. L., J., Birch, A. C., et al., “*Heliotomography of the outer layers of the Sun*”, 2001ESASP.464..701K [ADS](#)
- Gizon, L., Duvall, T. L., J., & Larsen, R. M., “*Seismic Tomography of the Near Solar Surface*”, 2000JApA...21..339G [ADS](#)
- Gizon, L., Duvall, T. L., J., & Larsen, R. M., “*Near-surface Horizontal Flows in Sunspots and Supergranules*”, 2000SPD....31.0108G [ADS](#)
- Duvall, T. L., J. & Gizon, L., “*Time-Distance Helioseismology with f Modes as a Method for Measurement of Near-Surface Flows*”, 2000SoPh..192..177D [ADS](#)
- Gizon, L. & Duvall, T. L., J., “*Surface Wave Time-Distance Helioseismology*”, 1999soho...9E..24G [ADS](#)
- Appourchaux, T., Rabello-Soares, M. C., & Gizon, L., “*The art of fitting p-mode spectra. II. Leakage and noise covariance matrices*”, 1998A&AS..132..121A [ADS](#)
- Appourchaux, T., Gizon, L., & Rabello-Soares, M. C., “*The art of fitting p-mode spectra. I. Maximum likelihood estimation*”, 1998A&AS..132..107A [ADS](#)
- Gizon, L., “*Comments on the influence of solar activity on p-mode oscillation spectra*”, 1998IAUS..185..173G [ADS](#)
- Appourchaux, T., Rabello Soares, M. C., & Gizon, L., “*LOI low-degree rotational splittings*”, 1998IAUS..185..167A [ADS](#)
- Appourchaux, T. & Gizon, L., “*The art of fitting p-mode spectra*”, 1998IAUS..185..43A [ADS](#)
- Gizon, L., Appourchaux, T., & Gough, D. O., “*LOI/SOHO constraints on oblique rotation of the solar core*”, 1998IAUS..185..37G [ADS](#)
- Gizon, L. & Appourchaux, T., “*On the direction of the rotation axis of the Sun*”, 1997BAAS...29R1121G [ADS](#)
- Gizon, L., Fossat, E., Lazrek, M., et al., “*New IRIS constraints on the solar core rotation.*”, 1997A&A...317L..71G [ADS](#)