

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

- Wexler, D. B., Hollweg, J. V., Efimov, A. I., et al., "Radio Occultation Observations of the Solar Corona Over 1.60-1.86 R_○: Faraday Rotation and Frequency Shift Analysis", 2019JGRA..124.7761W [ADS](#)
- Wexler, D. B., Hollweg, J. V., Efimov, A. I., et al., "Spacecraft Radio Frequency Fluctuations in the Solar Corona: A MESSENGER-HELIOS Composite Study", 2019ApJ...871..202W [ADS](#)
- Isenberg, P. A., Vasquez, B. J., & Hollweg, J. V., "Quasilinear Consequences of Turbulent Ion Heating by Magnetic Moment Breaking", 2019ApJ...870..119I [ADS](#)
- Wexler, D. B., Hollweg, J. V., Efimov, A. I., et al., "Spacecraft Radio Frequency Fluctuations in the Corona: a Messenger-Helios Composite Study", 2018shin.confE.249W [ADS](#)
- Wexler, D. B., Hollweg, J. V., Jensen, E., et al., "Hybrid modeling of the lower corona using Faraday rotation observations and a MHD thermodynamic simulation", 2017SPD...4830102W [ADS](#)
- Bale, S. D., Goetz, K., Harvey, P. R., et al., "The FIELDS Instrument Suite for Solar Probe Plus. Measuring the Coronal Plasma and Magnetic Field, Plasma Waves and Turbulence, and Radio Signatures of Solar Transients", 2016SSRv..204..49B [ADS](#)
- Verscharen, D., Chandran, B. D. G., Bourouaine, S., & Hollweg, J. V., "Deceleration of Alpha Particles in the Solar Wind by Instabilities and the Rotational Force: Implications for Heating, Azimuthal Flow, and the Parker Spiral Magnetic Field", 2015ApJ...806..157V [ADS](#)
- Hollweg, J. V., Verscharen, D., & Chandran, B. D. G., "Magnetohydrodynamic Slow Mode with Drifting He⁺: Implications for Coronal Seismology and the Solar Wind", 2014ApJ...788..35H [ADS](#)
- Hollweg, J. V., Kaghshvili, E. K., & Chandran, B. D. G., "Velocity-shear-induced Mode Coupling in the Solar Atmosphere and Solar Wind: Implications for Plasma Heating and MHD Turbulence", 2013ApJ...769..142H [ADS](#)
- Smith, C. W., Vasquez, B. J., & Hollweg, J. V., "Observational Constraints on the Role of Cyclotron Damping and Kinetic Alfvén Waves in the Solar Wind", 2012ApJ...745..8S [ADS](#)
- Hollweg, J. V. & Kaghshvili, E. K., "Alfvén Waves in Shear Flows Revisited", 2012ApJ...744..114H [ADS](#)
- Smith, C. W., Vasquez, B. J., & Hollweg, J. V., "Observational Constraints on the Role of Kinetic Alfvén Waves in the Solar Wind", 2011shin.confE..97S [ADS](#)
- Smith, C. W., Vasquez, B. J., & Hollweg, J. V., "The Argument Against Kinetic Alfvén Waves Forming the Whole of the Dissipation Range", 2011shin.confE..96S [ADS](#)
- Cranmer, S. R., Hollweg, J. V., Chandran, B. D., & van Ballegooijen, A. A., "Recent Successes of Wave/Turbulence Driven Models of Solar Wind Acceleration", 2010AGUFMSH41B1786C [ADS](#)
- Cranmer, S. R., Kohl, J. L., Alexander, D., et al., "Ultraviolet Coronagraph Spectroscopy: A Key Capability for Understanding the Physics of Solar Wind Acceleration", 2010arXiv1011.2469C [ADS](#)
- Hollweg, J. V., Cranmer, S. R., & Chandran, B. D. G., "Coronal Faraday Rotation Fluctuations and a Wave/Turbulence-driven Model of the Solar Wind", 2010ApJ...722.1495H [ADS](#)
- Chandran, B. D. G., Pongkitianichakul, P., Isenberg, P. A., et al., "Resonant Interactions Between Protons and Oblique Alfvén/Ion-cyclotron Waves in the Solar Corona and Solar Flares", 2010ApJ...722..710C [ADS](#)
- Chandran, B. D. G. & Hollweg, J. V., "Alfvén Wave Reflection and Turbulent Heating in the Solar Wind from 1 Solar Radius to 1 AU: An Analytical Treatment", 2009ApJ...707.1659C [ADS](#)
- Kaghshvili, E. K., Quinn, R. A., & Hollweg, J. V., "Driven Waves as a Diagnostics Tool in the Solar Corona", 2009ApJ...703.1318K [ADS](#)
- Chandran, B. D. G., Quataert, E., Howes, G., Hollweg, J., & Dorland, B., "Strong MHD Turbulence with Cross Helicity", 2009shin.confE..63C [ADS](#)
- Chandran, B. D. G., Quataert, E., Howes, G. G., Hollweg, J. V., & Dorland, W., "The Turbulent Heating Rate in Strong Magnetohydrodynamic Turbulence with Nonzero Cross Helicity", 2009ApJ...701..652C [ADS](#)
- Markovskii, S. A., Vasquez, B. J., & Hollweg, J. V., "Proton Heating by Nonlinear Field-Aligned Alfvén Waves in Solar Coronal Holes", 2009ApJ...695.1413M [ADS](#)
- Hollweg, J. V., "The solar wind: Our current understanding and how we got here", 2008JApA..29..217H [ADS](#)
- Hollweg, J., Markovskii, S., & Vasquez, B., "Hybrid simulations of anisotropic proton distributions in solar coronal holes", 2007AGUFMSH22B..06H [ADS](#)
- Hollweg, J. V. & Isenberg, P. A., "Reflection of Alfvén waves in the corona and solar wind: An impulse function approach", 2007JGRA..112.8102H [ADS](#)
- Hollweg, J. V., "On the behavior of O⁺⁵ in coronal holes: Importance of sunward propagating waves", 2006JGRA..11112106H [ADS](#)
- Markovskii, S. A., Vasquez, B. J., Smith, C. W., & Hollweg, J. V., "Erratum: 'Dissipation of the Perpendicular Turbulent Cascade in the Solar Wind' (ApJ, 639, 1177 [2006])", 2006ApJ...648.1291M [ADS](#)
- Hollweg, J. V., "The Solar Wind, Then and Now", 2006SPD....37.1501H [ADS](#)
- Markovskii, S. A., Vasquez, B. J., Smith, C. W., & Hollweg, J. V., "Dissipation of the Perpendicular Turbulent Cascade in the Solar Wind", 2006ApJ...639.1177M [ADS](#)
- Hollweg, J. V., "Drivers of the solar wind: then and now", 2006RSPTA.364..505H [ADS](#)
- Hollweg, J. V., "The Solar Wind: Then and Now", 2006GMS...167..19H [ADS](#)
- Markovskii, S. A., Vasquez, B. J., Smith, C. W., & Hollweg, J. V., "A Mechanism of Dissipation of the Perpendicular Turbulent Cascade", 2005ESASP.592..177M [ADS](#)
- Andries, J., Goossens, M., Hollweg, J. V., Arregui, I., & Van Doorslaere, T., "Coronal loop oscillations. Calculation of resonantly damped MHD quasi-mode kink oscillations of longitudinally stratified loops", 2005A&A...430.1109A [ADS](#)
- Kaghshvili, E. K., Vasquez, B. J., Zank, G. P., & Hollweg, J. V., "Deceleration of relative streaming between proton components among nonlinear low-frequency Alfvén waves", 2004JGRA..10912101K [ADS](#)
- Markovskii, S. A. & Hollweg, J. V., "The Generation of Ion Cyclotron Turbulence by the Intermittent Heat Flux in Coronal Holes", 2004ESASP.575..192M [ADS](#)
- Markovskii, S. A., Vasquez, B. J., Smith, C. W., & Hollweg, J. V., "A mechanism of dissipation of the perpendicular turbulent cascade in the solar wind", 2004AGUFMSH44A..02M [ADS](#)
- Vasquez, B. J. & Hollweg, J. V., "Cross-field energy transfer of a body Alfvén wave propagating along and across a pressure-balanced structure", 2004GeoRL..3114803V [ADS](#)
- Markovskii, S. A. & Hollweg, J. V., "Intermittent Heating of the Solar Corona by Heat Flux-generated Ion Cyclotron Waves", 2004ApJ...609.1112M [ADS](#)
- Vasquez, B. J., Markovskii, S. A., & Hollweg, J. V., "Nonlinear Alfvén waves: 2. The influence of wave advection and finite wavelength effects", 2004JGRA..109.5104V [ADS](#)
- Vasquez, B. J. & Hollweg, J. V., "Nonlinear Alfvén waves: 1. Interactions between outgoing and ingoing waves according to an amplitude expansion", 2004JGRA..109.5103V [ADS](#)
- Markovskii, S. A. & Hollweg, J. V., "Intermittent coronal heating due to heat flux generated ion cyclotron waves", 2003AGUFMSH21B0112M [ADS](#)
- Markovskii, S. A. & Hollweg, J. V., "Ion Heating Due to Plasma Microinstabilities in Coronal Holes and the Fast Solar Wind", 2003AIPC..679..307M [ADS](#)
- Hollweg, J. V., "Origin of the Fast Solar Wind: From an Electron - Driven Wind to Cyclotron Resonances", 2003AIPC..679..14H [ADS](#)
- Kaghshvili, E. K., Vasquez, B. J., & Hollweg, J. V., "Deceleration of streaming alpha particles interacting with waves and imbedded rotational discontinuities", 2003JGRA..108.1036K [ADS](#)
- Vasquez, B. J., Markovskii, S. A., & Hollweg, J. V., "On the Origin of Perpendicular Cascades Among Nonlinear Alfvén Waves", 2002AGUFMSH12A0408V [ADS](#)
- Markovskii, S. A. & Hollweg, J. V., "Ion heating due to plasma microinstabilities in coronal holes and the generation of the fast solar wind", 2002AGUFMSH12A0397M [ADS](#)
- Markovskii, S. A. & Hollweg, J. V., "Parametric cross-field current instability in solar coronal holes", 2002JGRA..107.1329M [ADS](#)
- Markovskii, S. A. & Hollweg, J. V., "Electron heat flux instabilities in coronal holes: Implications for ion heating", 2002GeoRL..29.1843M [ADS](#)
- Hollweg, J. V. & Isenberg, P. A., "Generation of the fast solar wind: A review with emphasis on the resonant cyclotron interaction", 2002JGRA..107.1147H [ADS](#)
- Hollweg, J. V. & Markovskii, S. A., "Cyclotron resonances of ions with obliquely propagating waves in coronal holes and the fast solar wind", 2002JGRA..107.1080H [ADS](#)
- Vasquez, B. J., Kaghshvili, E. K., & Hollweg, J. V., "Heating and Deceleration of Differentially Streaming Ions Among Nonlinear Waves", 2002AGUFMSH21C..05V [ADS](#)
- Hollweg, J. V., "Heating and acceleration of the solar wind in coronal holes: cyclotron resonances", 2002AdSpR..30..469H [ADS](#)
- Vasquez, B. J., Farrugia, C. J., Markovskii, S. A., et al., "Nature of fluctuations on directional discontinuities inside a solar ejection: Wind and IMP 8 observations", 2001JGR...10629283V [ADS](#)

- Vasquez, B. J., Hollweg, J. V., & Kaghshvili, E. K., "Hybrid Simulation Studies of Wave-Ion Interactions With Application to the Corona and Solar Wind", 2001AGUFMSH21A0723V [ADS](#)
- Markovskii, S. A. & Hollweg, J. V., "Electron Heat Flux Instabilities in Coronal Holes: Implications for Ion Heating", 2001AGUFMSH11A0695M [ADS](#)
- Vasquez, B. J., Markovskii, S. A., & Hollweg, J. V., "The Evolution of Very Small-Scale Cross-Field Structures Interacting With Very Low-Frequency Alfvén Waves", 2001AGUSM..SH41B16V [ADS](#)
- Kaghshvili, E., Vasquez, B. J., & Hollweg, J. V., "The Interaction of Alphaparticles With Alfvén Waves and Imbedded Rotational Discontinuities", 2001AGUSM..SH41B15K [ADS](#)
- Markovskii, S. A. & Hollweg, J. V., "Ion Cyclotron Instabilities in Multicomponent Coronal Hole Plasma with Cross-Field Streaming Species", 2001AGUSM..SH22E10M [ADS](#)
- Hollweg, J. V. & Markovskii, S. A., "Cyclotron Resonances of Ions with Obliquely-Propagating Waves in Coronal Holes and the Fast Solar Wind", 2001AGUSM..SH22E05H [ADS](#)
- Vasquez, B. J. & Hollweg, J. V., "Evolution and dissipation of imbedded rotational discontinuities and Alfvén waves in nonuniform plasma and the resultant proton heating", 2001JGR...106.5661V [ADS](#)
- Isenberg, P. A., Lee, M. A., & Hollweg, J. V., "The kinetic shell model of coronal heating and acceleration by ion cyclotron waves: I. Outward propagating waves", 2001JGR...106.5649I [ADS](#)
- Hollweg, J. V., "Cyclotron resonance in coronal holes: 3. A five-beam turbulence-driven model", 2000JGR...10515699H [ADS](#)
- Isenberg, P. A., Lee, M. A., & Hollweg, J. V., "A Kinetic Model of Coronal Heating and Acceleration by Ion-Cyclotron Waves: Preliminary Results", 2000SoPh..193..247I [ADS](#)
- Hollweg, J. V., "Compressibility of ion cyclotron and whistler waves: Can radio measurements detect high-frequency waves of solar origin in the corona?", 2000JGR...105.7573H [ADS](#)
- Verheest, F., Vandas, M., Buti, B., et al., "Commission 49: Interplanetary Plasma and Heliosphere: (Plasma Interplanetaire et Heliosphere)", 2000IAUTA..24..77V [ADS](#)
- Hollweg, J. V., "Cyclotron resonance in coronal holes: 2. A two-proton description", 1999JGR..10424793H [ADS](#)
- Hollweg, J. V., "Cyclotron resonance in coronal holes: I. Heating and acceleration of protons, O⁵, and Mg⁹", 1999JGR..10424781H [ADS](#)
- Hollweg, J. V., "Resonant Heating and Acceleration of Protons and Ions in Coronal Holes : Two-Proton Closure", 1999ESASP.446..357H [ADS](#)
- Hollweg, J. V., "Kinetic Alfvén wave revisited", 1999JGR..10414811H [ADS](#)
- Li, X., Habbal, S. R., Hollweg, J. V., & Esser, R., "Proton temperature anisotropy in the fast solar wind: Turbulence-driven dispersive ion cyclotron waves", 1999AIPC..471..531L [ADS](#)
- Hollweg, J. V., "The cyclotron resonance: Heating of protons and oxygen in coronal holes", 1999AIPC..471..369H [ADS](#)
- Vasquez, B. J. & Hollweg, J. V., "Nonlinear evolution of Alfvén waves and RDs-hybrid simulations", 1999AIPC..471..167V [ADS](#)
- Vasquez, B. J. & Hollweg, J. V., "Formation of pressure-balanced structures and fast waves from nonlinear Alfvén waves", 1999JGR...104.4681V [ADS](#)
- Li, X., Habbal, S. R., Hollweg, J. V., & Esser, R., "Heating and cooling of protons by turbulence-driven ion cyclotron waves in the fast solar wind", 1999JGR...104.2521L [ADS](#)
- Hollweg, J. V., "Potential wells, the cyclotron resonance, and ion heating in coronal holes", 1999JGR...104..505H [ADS](#)
- , "Solar Wind Nine", 1999AIPC..471.....H [ADS](#)
- Vasquez, B. J. & Hollweg, J. V., "Formation of imbedded rotational discontinuities with nearly field aligned normals", 1998JGR...103..349V [ADS](#)
- Vasquez, B. J. & Hollweg, J. V., "Formation of spherically polarized Alfvén waves and imbedded rotational discontinuities from a small number of entirely oblique waves", 1998JGR...103..335V [ADS](#)
- Hollweg, J. V., "A simple mechanical model for resonance absorption: The Alfvén resonance", 1997JGR..10224127H [ADS](#)
- Hollweg, J. V., "Comment on "Gravitational Damping of Alfvén Waves in Stellar Atmospheres and Winds", 1997ApJ...488..895H [ADS](#)
- Esser, R., Habbal, S. R., Coles, W. A., & Hollweg, J. V., "Hot protons in the inner corona and their effect on the flow properties of the solar wind", 1997JGR...102.7063E [ADS](#)
- Ruzmaikin, A., Anderson, J. D., Asmar, S., et al., "A Spacecraft Going Behind the Sun Will Support SOHO", 1997ESASP.404..653R [ADS](#)
- Hollweg, J. V. & Esser, R., "The solar corona and solar wind: Theoretical issues", 1997AIPC..385..169H [ADS](#)
- Vasquez, B. J. & Hollweg, J. V., "The making of an Alfvénic fluctuation: The resolution of a second-order analysis", 1996AIPC..382..331V [ADS](#)
- Hollweg, J. V., "Non-WKB Alfvén waves in the solar wind: propagation and reflection of pulses", 1996AIPC..382..327H [ADS](#)
- Vasquez, B. J. & Hollweg, J. V., "Formation of arc-shaped Alfvén waves and rotational discontinuities from oblique linearly polarized wave trains", 1996JGR...10113527V [ADS](#)
- Hollweg, J. V., "Comment on textquotedblleftNonlinear studies of coronal heating by the resonant absorption of Alfvén wavestextquotedblright by Ofman et al.", 1995GeoRL..22.2677H [ADS](#)
- Vasquez, B. J. & Hollweg, J. V., "The making of an Alfvénic fluctuation: The resolution of a second-order analysis", 1995sowi.conf...78V [ADS](#)
- Hollweg, J. V., "Non-WKB Alfvén waves in the solar wind: Propagation and reflection of pulses", 1995sowi.conf...78H [ADS](#)
- Goossens, M., Ruderman, M. S., & Hollweg, J. V., "Dissipative MHD solutions for resonant Alfvén waves in 1-dimensional magnetic flux tubes", 1995SoPh..157...75G [ADS](#)
- Hollweg, J. V., "The Alfvénic Impulse Response of the Open Solar Corona and Solar Wind", 1995SPD....26..906H [ADS](#)
- Jayanti, V. & Hollweg, J. V., "Growth rates of new parametric instabilities occurring in a plasma with streaming He⁺", 1994JGR...10923449J [ADS](#)
- Hollweg, J. V., "Beat, modulational, and decay instabilities of a circularly polarized Alfvén wave", 1994JGR...10923431H [ADS](#)
- Jayanti, V. & Hollweg, J. V., "Parametric instabilities of parallel-propagating Alfvén waves: Some analytical results", 1993JGR...10819049J [ADS](#)
- Jayanti, V. & Hollweg, J. V., "On the dispersion relations for parametric instabilities of parallel-propagating Alfvén waves", 1993JGR...10813247J [ADS](#)
- Goossens, M. & Hollweg, J. V., "Resonant Behaviour of Magnetohydrodynamic Waves on Magnetic Flux Tubes - Part Four", 1993SoPh..145..19G [ADS](#)
- Hollweg, J. V., Esser, R., & Jayanti, V., "Modulational and decay instabilities of Alfvén waves: Effects of streaming He", 1993JGR...108.3491H [ADS](#)
- Hollweg, J. V.: 1992, *Theoretical studies of the physics of the solar atmosphere*, Final Report New Hampshire Univ., Durham. Space Science Center. 1992nhud.rept.....H [ADS](#)
- Hollweg, J. V. & Goossens, M., "Total Absorption of Sound Waves by Solar Magnetic Flux Tubes", 1992AAS...180.1702H [ADS](#)
- Goossens, M., Hollweg, J. V., & Sakurai, T., "Resonant Behaviour of Magnetohydrodynamic Waves on Magnetic Flux Tubes - Part Three", 1992SoPh..138..233G [ADS](#)
- Hollweg, J. V., "Alfvénically Driven Slow Shocks in the Solar Chromosphere and Corona", 1992ApJ...389..731H [ADS](#)
- Hollweg, J. V., "Status of solar wind modeling from the transition region outwards", 1992sws..coll..53H [ADS](#)
- Gloeckler, G., Geiss, J., Balsiger, H., et al., "The Solar Wind Ion Composition Spectrometer", 1992A&S...92..267G [ADS](#)
- Yang, G. & Hollweg, J. V., "The effects of velocity shear on the resonance absorption of MHD surface waves - Cold plasma", 1991JGR...10613807Y [ADS](#)
- Hollweg, J. V., "The effects of velocity shear on the resonance absorption of MHD surface waves: Cold plasma", 1991JGR...10613807H [ADS](#)
- Sakurai, T., Goossens, M., & Hollweg, J. V., "Resonant Behaviour of Magnetohydrodynamic Waves on Magnetic Flux Tubes II. Absorption of Sound Waves by Sunspots", 1991SoPh..133..247S [ADS](#)
- Sakurai, T., Goossens, M., & Hollweg, J. V., "Resonant Behaviour of Magnetohydrodynamic Waves on Magnetic Flux Tubes - Part One", 1991SoPh..133..227S [ADS](#)
- Hollweg, J. V., "Alfvénically-Driven Slow Shocks in the Solar Chromosphere and Corona", 1991BAAS...23.1037H [ADS](#)
- Hollweg, J. V., "Alfvén Waves", 1991mcch.conf..423H [ADS](#)
- Hollweg, J. V. & Lee, M. A.: 1990, *Theoretical studies on the chromosphere, corona, and solar wind*, Final Report, Jun. 1980 - Dec. 1990 New Hampshire Univ., Durham. Inst. for the Study of Earth, Oceans, and Space. 1990unh..rept.....H [ADS](#)
- Hollweg, J. V., "On WKB expansions for Alfvén waves in the solar wind", 1990JGR...10514873H [ADS](#)
- Hollweg, J. V., "Resonance absorption of propagating fast waves in a cold plasma", 1990P&SS...38.1017H [ADS](#)
- Hollweg, J. V., "Heating of the solar corona", 1990CoPhR..12..205H [ADS](#)
- Hollweg, J. V., "Resonant decay of global MHD modes at "thick" interfaces", 1990JGR...105.2319H [ADS](#)
- Hollweg, J. V., "MHD waves on solar magnetic flux tubes - Tutorial review", 1990GMS...58...23H [ADS](#)
- Hollweg, J. V., Yang, G., Cadez, V. M., & Gakovic, B., "Surface Waves in an Incompressible Fluid: Resonant Instability Due to Velocity Shear", 1990ApJ...349..335H [ADS](#)
- Hollweg, J. V. & Lee, M. A., "Slow twists of solar magnetic flux tubes and the polar magnetic field of the Sun", 1989GeoRL..16..919H [ADS](#)
- Sterling, A. C. & Hollweg, J. V., "A Rebound Shock Mechanism for Solar Fibils", 1989ApJ...343..985S [ADS](#)
- Yang, G., Hollweg, J., Cadez, V. M., & Gakovic, B., "Surface Waves in an Incompressible Fluid: Resonant Instability due to Velocity Shear", 1989BAAS...21..831Y [ADS](#)

- Hollweg, J. V., "Resonant Decay of MHD "Surface" Waves on a Thick "Surface""", 1989BAAS...21..830H [ADS](#)
- Hollweg, J. V., "Coronal heating: theoretical ideas", 1989HiA.....8..517H [ADS](#)
- Hollweg, J. V., "Resonance Absorption of Solar p-Modes by Sunspots", 1988ApJ...335..1005H [ADS](#)
- Hollweg, J. V. & Johnson, W., "Transition region, corona, and solar wind in coronal holes: Some two-fluid models", 1988JGR....93.9547H [ADS](#)
- Hollweg, J. V. & Yang, G., "Resonance absorption of compressible magnetohydrodynamic waves at thin "surfaces"", 1988JGR....93.5423H [ADS](#)
- Hollweg, J. V., "Resonance Absorption of Solar p-Modes by Sunspots", 1988BAAS...20..910H [ADS](#)
- Sterling, A. C. & Hollweg, J. V., "The Rebound Shock Model for Solar Spicules: Dynamics at Long Times", 1988ApJ...327..950S [ADS](#)
- Sterling, A. C. & Hollweg, J. V., "A Rebound Shock Model for Solar Fibrils", 1988BAAS...20..690S [ADS](#)
- Hollweg, J. V., "Resonance Absorption of Magnetohydrodynamic Surface Waves: Viscous Effects", 1987ApJ...320..875H [ADS](#)
- Hollweg, J. V., "Small-scale MHD wave processes in the solar atmosphere and solar wind", 1987ESASP.275..161H [ADS](#)
- Hollweg, J. V., "Incompressible Magnetohydrodynamic Surface Waves: Nonlinear Aspects", 1987ApJ...317..918H [ADS](#)
- Hollweg, J. V., "Resonance Absorption of Magnetohydrodynamic Surface Waves: Physical Discussion", 1987ApJ...312..880H [ADS](#)
- Hollweg, J. V., "Viscosity and the Chew-Goldberger-Low Equations in the Solar Corona", 1986ApJ...306..730H [ADS](#)
- Hollweg, J. V., "Transition region, corona, and solar wind in coronal holes", 1986JGR....91.4111H [ADS](#)
- Nocera, L., Priest, E. R., & Hollweg, J. V., "Nonlinear development of phase-mixed alfvén waves", 1986GApFD..35..111N [ADS](#)
- Mariska, J. T. & Hollweg, J. V., "Alfvénic pulses in the solar atmosphere", 1985ApJ...296..746M [ADS](#)
- Hollweg, J. V., "Viscosity in a magnetized plasma: Physical interpretation", 1985JGR...90.7620H [ADS](#)
- Sterling, A. C. & Hollweg, J. V., "Spicule Dynamics: Long Time Behavior", 1985BAAS...17Q.631S [ADS](#)
- Mariska, J. T. & Hollweg, J. V., "Alfvénic Pulses in the Solar Atmosphere", 1985BAAS...17..643M [ADS](#)
- Hollweg, J. V. & Pollock, C. J., "The Transition Region, Corona, and Solar Wind in a Coronal Hole", 1985BAAS...17..637H [ADS](#)
- Hollweg, J. V., "Alfvénic heating of the chromosphere and corona", 1985cdm..proc..235H [ADS](#)
- Hollweg, J. V., "Energy and Momentum Transport by Waves in the Solar Atmosphere", 1985asapp.conf...77H [ADS](#)
- Hollweg, J. V. & Roberts, B., "Surface solitary waves and solitons", 1984JGR...89.9703H [ADS](#)
- Sterling, A. C. & Hollweg, J. V., "Alfvénic resonances on solar spicules", 1984ApJ...285..843S [ADS](#)
- Hollweg, J. V. & Sterling, A. C., "Resonant heating - an interpretation of coronal loop data", 1984ApJ...282L..31H [ADS](#)
- Hollweg, J. V., "Alfvénic resonant cavities in the solar atmosphere: Simple aspects", 1984SoPh..91..269H [ADS](#)
- Sterling, A. C. & Hollweg, J. V., "Alfvénic Heating: An Interpretation of Coronal Loop Data", 1984BAAS...160.527S [ADS](#)
- Hollweg, J. V. & Sterling, A. C., "Coronal Loop Heating: Theory and Data", 1984BAAS...16..527H [ADS](#)
- Hollweg, J. V., "Resonances of coronal loops", 1984ApJ...277..392H [ADS](#)
- Barnes, A., Goldstein, M., Hollweg, J., et al., "MHD waves and turbulence in the sun and interplanetary medium.", 1984NASRP1120...4B [ADS](#)
- Hollweg, J. V., "Surface waves on solar wind TD's.", 1983NASCP2280..105H [ADS](#)
- Suess, S. T. & Hollweg, J. V., "Impulse response of the corona.", 1983NASCP2280...61S [ADS](#)
- Hollweg, J. V., "Coronal heating by waves.", 1983NASCP.2280...5H [ADS](#)
- Hollweg, J. V. & Isenberg, P. A., "Reply", 1983JGR....88.7253H [ADS](#)
- Hollweg, J. V. & Sterling, A. C., "Resonances of Solar Spicules", 1983BAAS...15R.994H [ADS](#)
- Isenberg, P. A. & Hollweg, J. V., "On the preferential acceleration and heating of solar wind heavy ions", 1983JGR....88.3923I [ADS](#)
- Gordon, B. E. & Hollweg, J. V., "Collisional damping of surface waves in the solar corona", 1983ApJ...266..373G [ADS](#)
- Neugebauer, M., Hollweg, J. V., Barnes, A., et al.: 1983, *Solar wind five. Proceedings of a conference held in Woodstock, Vermont, November 1 - 5, 1982.* 1983swfp.book.....N [ADS](#)
- Hollweg, J. V., "Surface Waves on solar wind tangential discontinuities", 1982JGR....87.8065H [ADS](#)
- Hollweg, J. V., "Resonances of Coronal Loops", 1982BAAS...14..977H [ADS](#)
- Isenberg, P. A. & Hollweg, J. V., "Finite amplitude Alfvén waves in a multi-ion plasma: Propagation, acceleration, and heating", 1982JGR....87.5023I [ADS](#)
- Gordon, B. E. & Hollweg, J. V.: 1982, *Collisional damping of surface waves in the solar corona* 1982STIN...8230213G [ADS](#)
- Isenberg, P. A. & Hollweg, J. V.: 1982, *On the preferential acceleration and heating of solar wind heavy ions* 1982STIN...8230212I [ADS](#)
- Hollweg, J. V., "On the origin of solar spicules", 1982ApJ...257..345H [ADS](#)
- Hollweg, J. V., "Heating of the corona and solar wind by switch-on shocks", 1982ApJ...254..806H [ADS](#)
- Hollweg, J. V., "A new resonance in the solar atmosphere", 1982SoPh..75..79H [ADS](#)
- Hollweg, J. V., Jackson, S., & Galloway, D., "Alfvén Waves in the Solar Atmospheres - Part Three - Nonlinear Waves on Open Flux Tubes", 1982SoPh..75..35H [ADS](#)
- Hollweg, J. V., Bird, M. K., Volland, H., et al., "Possible evidence for coronal Alfvén waves", 1982JGR....87....1H [ADS](#)
- Hollweg, J. V. & Isenberg, P. A., "On rotational forces in the solar wind", 1981JGR....8611463H [ADS](#)
- Hollweg, J. V. & Roberts, B., "Bound oscillations on thin magnetic flux tubes - Convective instability and umbral oscillations", 1981ApJ...250..398H [ADS](#)
- Hollweg, J. V., "Minor ions in the low corona", 1981JGR....86.8899H [ADS](#)
- Hollweg, J. V., "The energy balance of the solar wind.", in S. Jordan (Ed.), NASA Special Publication, Vol. 450, 355-372 1981NASSP.450..355H [ADS](#)
- Hollweg, J. V., "Solar Phenomena. (Views of a Watershed: Solar and Interplanetary Dynamics)", 1981Sci...212..787D [ADS](#)
- Hollweg, J. V., "Alfvén Waves in the Solar Atmosphere - Part Two - Open and Closed Magnetic Flux Tubes", 1981SoPh..70..25H [ADS](#)
- Hollweg, J. V., "On the Origin of Solar Spicules", 1981BAAS...13..914H [ADS](#)
- Hollweg, J. V., "The physical interpretation of Alfvén wave flux in the solar corona", 1981MNRAS.194..381H [ADS](#)
- Hollweg, J. V., "Helium and Heavy Ions", 1981sowi.conf..414H [ADS](#)
- Hollweg, J. V., "Mechanisms of energy supply.", 1981sars.work..277H [ADS](#)
- Dusenberry, P. B. & Hollweg, J. V., "Ion-cyclotron heating and acceleration of solar wind minor ions", 1981JGR....86..153D [ADS](#)
- Nye, A. H. & Hollweg, J. V., "Alfvén waves in sunspots", 1980SoPh..68..279N [ADS](#)
- Hollweg, J. V., "Spicules and Coronal Heating: A Unified View", 1980BAAS...12..909H [ADS](#)
- Edenhofer, P., Bird, M. K., Volland, H., & Hollweg, J. V., "Indirekte Beobachtungen magnetohydrodynamischer Wellenaktivität in der Sonnenkorona", 1980MitAG..50..42E [ADS](#)
- Hollweg, J. V., "A new resonance in the solar atmosphere. I. Theory.", 1979SoPh..62..227H [ADS](#)
- Hollweg, J. V. & Turner, M., "Reply", 1979JGR....84.2141H [ADS](#)
- Hollweg, J. V., "Alfvén Waves on Open and Closed Solar Magnetic Flux Tubes", 1979BAAS...11..409H [ADS](#)
- Hollweg, J. V., "Some physical processes in the solar wind.", 1978RvGSP..16..689H [ADS](#)
- Hollweg, J. V., "Correction", 1978JGR....83.3905H [ADS](#)
- Hollweg, J. V., "Fast wave evanescence in the solar corona", 1978GeoRL...5..731H [ADS](#)
- Hollweg, J. V. & Lilliequist, C. G., "Geometrical MHD wave coupling", 1978JGR....83.2030H [ADS](#)
- Querfeld, C. W. & Hollweg, J. V., "Experimental Search for Coronal Alfvén Waves.", 1978BAAS...10..431Q [ADS](#)
- Hollweg, J. V., "Alfvén waves in the solar atmosphere.", 1978SoPh..56..305H [ADS](#)
- Hollweg, J. V., "A quasi-linear WKB kinetic theory for nonplanar waves in a nonhomogeneous warm plasma I. Transverse waves propagating along axisymmetric B_0 ", 1978JGR....83..563H [ADS](#)
- Hollweg, J. V. & Turner, J. M., "Acceleration of solar wind He^+ 3. Effects of resonant and nonresonant interactions with transverse waves", 1978JGR....83..97H [ADS](#)
- Smith, D. F. & Hollweg, J. V., "Low-frequency instabilities of a warm plasma in a magnetic field: Part 1. Instabilities driven by field-aligned currents", 1977JPlPh..17..105S [ADS](#)
- Skadron, G. & Hollweg, J. V., "Fokker-Planck theory for cosmic ray diffusion in the presence of Alfvén waves 2. Model stream calculation", 1976JGR....81.5887S [ADS](#)
- Hollweg, J. V. & Smith, D. F., "Current-driven Alfvén instability", 1976JPlPh..15..245H [ADS](#)

- Chang, S. C. & Hollweg, J. V., "Alfvénic acceleration of solar wind helium 2. Model calculations", 1976JGR....81.1659C [ADS](#)
- Hollweg, J. V., "Collisionless electron heat conduction in the solar wind", 1976JGR....81.1649H [ADS](#)
- Axford, W. I., Hollweg, J. V., Suess, S. T., Blum, P. W., & Fahr, H. J., "The interplanetary plasma and the heliosphere (Plasma interplanétaire et de l'héliosphère)", 1976IAUTA..16a.175A [ADS](#)
- Hollweg, J. V. & Skadron, G., "Fokker-Planck theory for cosmic ray diffusion in the presence of Alfvén waves I. Theory", 1975JGR....80.2701H [ADS](#)
- Hollweg, J. V., "Alfvén wave refraction in high-speed solar wind streams", 1975JGR....80..908H [ADS](#)
- Hollweg, J. V., "Waves and instabilities in the solar wind", 1975RvGSP..13..263H [ADS](#)
- Hollweg, J. V., "Hydromagnetic Waves in Interplanetary Space", 1974PASP...86..561H [ADS](#)
- Hollweg, J. V., "Improved Limit on Photon Rest Mass", 1974PhRvL..32..961H [ADS](#)
- Hollweg, J. V., "Waves and instabilities in the solar wind", 1974sowi.conf..333H [ADS](#)
- Hollweg, J. V., "On electron heat conduction in the solar wind", 1974JGR....79.3845H [ADS](#)
- Barnes, A. & Hollweg, J. V., "Large-amplitude hydromagnetic waves", 1974JGR....79.2302B [ADS](#)
- Hollweg, J. V., "Transverse Alfvén waves in the solar wind: Arbitrary k, v_0, B_0 , and δB ", 1974JGR....79.1539H [ADS](#)
- Hollweg, J. V., "Alfvénic acceleration of solar wind helium and related phenomena I. Theory", 1974JGR....79.1357H [ADS](#)
- Hollweg, J. V., "ALFVtN Waves in a Two-Fluid Model of the Solar Wind", 1973ApJ...181..547H [ADS](#)
- Hollweg, J. V., "Alfvén waves in the solar wind: Wave pressure, poynting flux, and angular momentum", 1973JGR....78.3643H [ADS](#)
- Hollweg, J. V., "ALFVÉNIC Motions in the Solar Atmosphere", 1972ApJ...177..255H [ADS](#)
- Hollweg, J. V., "Wavelength Dependence of the Interplanetary Scintillation Index - Comments", in C. P. Sonett, P. J. Coleman, and J. M. Wilcox (Eds.), NASA Special Publication, Vol. 308, 507 1972NASSP.308..503H [ADS](#)
- Hollweg, J. V. & Jokipii, J. R., "Wavelength Dependence of the Interplanetary Scintillation Index", in C. P. Sonett, P. J. Coleman, and J. M. Wilcox (Eds.), NASA Special Publication, Vol. 308, 494 1972NASSP.308..494H [ADS](#)
- Hollweg, J. V., "Model for Energy Transfer in the Solar Wind: Model Results - Comments", in C. P. Sonett, P. J. Coleman, and J. M. Wilcox (Eds.), NASA Special Publication, Vol. 308, 223 1972NASSP.308..223H [ADS](#)
- Hollweg, J. V. & Jokipii, J. R., "Heat conduction in a turbulent magnetic field, with application to solar-wind electrons", 1972JGR....77.3311H [ADS](#)
- Hollweg, J. V., "Supergranulation-driven Alfvén waves in the solar chromosphere and related phenomena.", 1972CoEL...2..423H [ADS](#)
- Hollweg, J. V., "Supergranulation Driven Alfvén Waves in the Solar Chromosphere and Related Phenomena", 1972CoEL...2..423H [ADS](#)
- Hollweg, J. V., "Nonlinear Landau Damping of Alfvén Waves", 1971PhRvL..27.1349H [ADS](#)
- Hollweg, J. V. & Völk, H. J., "Energy and momentum exchange in transverse plasma waves", 1971JGR....76.7527H [ADS](#)
- Hollweg, J. V., "Collisionless solar wind, 2, Variable electron temperature", 1971JGR....76.7491H [ADS](#)
- Hollweg, J. V., "Density fluctuations driven by Alfvén waves", 1971JGR....76.5155H [ADS](#)
- Hollweg, J. V., "Fluctuations in Times of Arrival of Pulsar Pulses", 1970ApJ...161L.225H [ADS](#)
- Jokipii, J. R. & Hollweg, J. V., "Interplanetary Scintillations and the Structure of Solar-Wind Fluctuations", 1970ApJ...160..745J [ADS](#)
- Hollweg, J. V. & Völk, H. J., "Two New Plasma Instabilities in the Solar Wind", 1970Natur.225..441H [ADS](#)
- Hollweg, J. V. & Völk, H. J., "New plasma instabilities in the solar wind", 1970JGR....75.5297H [ADS](#)
- Hollweg, J. V., "Angular broadening of radio sources by solar wind turbulence", 1970JGR....75.3715H [ADS](#)
- Hollweg, J. V., "Collisionless solar wind: 1. Constant electron temperature", 1970JGR....75.2403H [ADS](#)
- Hollweg, J. V., "Lunar conducting islands and formation of a lunar limb shock wave", 1970JGR....75.1209H [ADS](#)
- Hollweg, J. V., "Lunar limb shock wave", 1969MitAG..27Q.222H [ADS](#)
- Hollweg, J. V., "Stochastic heating of protons by fast hydromagnetic wave", 1969JGR....74.2899H [ADS](#)
- Bracewell, R. N., Eshleman, V. R., & Hollweg, J. V., "The Occulting Disk of the Sun at Radio Wavelengths", 1969ApJ...155..367B [ADS](#)
- Hollweg, J. V., "A Statistical Ray Analysis of The Scattering of Radio Waves by the Solar Corona", 1968AJ....73..972H [ADS](#)
- Hollweg, J. V., "Solar Coronal Effects on Pulsar Signals", 1968Natur.220..771H [ADS](#)
- Hollweg, J. V.: 1968c, "A statistical ray analysis of the scattering of radio waves by anisotropically turbulent, non-homogeneous solar corona", Ph.D. thesis, Massachusetts Institute of Technology 1968PhDT.....106H [ADS](#)
- Hollweg, J. V., "Interaction of the solar wind with the moon and formation of a lunar limb shock wave", 1968JGR....73.7269H [ADS](#)
- Hollweg, J. V. & Harrington, J. V., "Properties of solar wind turbulence deduced by radio astronomical measurements", 1968JGR....73.7221H [ADS](#)