

Bibliography from ADS file: *mullan.bib*
 September 14, 2022

- MacDonald, J. & Mullan, D. J., “*Magnetic Fields in Low-mass Stars Increase Photometric Masses, Thereby Reducing Inferred Radius Inflation*”, 2022RNAAS...6..146M [ADS](#)
- Mullan, D. J., “*Rotationally Constrained Convection in the Sun: Applicable to Planetary Atmospheres?*”, 2022RNAAS...6..83M [ADS](#)
- Mullan, D. J., “*Mechanical Energy Deposition in Cool Star Atmospheres: Resonant Coupling to Coronal Loops in M Dwarfs*”, 2021ApJ...922..164M [ADS](#)
- Paudel, R. R., Barclay, T., Schlieder, J. E., et al., “*Simultaneous Multiwavelength Flare Observations of EV Lacertae*”, 2021ApJ...922..31P [ADS](#)
- MacDonald, J. & Mullan, D. J., “*THOR 42: A Test of Magnetic Models for Pre-main-sequence Stars*”, 2021ApJ...907..27M [ADS](#)
- Mullan, D. J. & MacDonald, J., “*Pre-main-sequence Stars in Taurus: Comparison of Magnetic and Nonmagnetic Model Fits to the Low-mass Stars*”, 2020ApJ...904..108M [ADS](#)
- Paudel, R. R., Gizis, J. E., Mullan, D. J., et al., “*K2 Ultracool Dwarfs Survey - VI. White light superflares observed on an L5 dwarf and flare rates of L dwarfs*”, 2020MNRAS.494.5751P [ADS](#)
- Mullan, D. J. & Houdebine, E. R., “*A Transition of Dynamo Modes in M Dwarfs: Narrowing Down the Spectral Range Where the Transition Occurs*”, 2020ApJ...891..128M [ADS](#)
- Mullan, D. J. & MacDonald, J., “*Mass Loss on the Red Giant Branch: Plasmoid-driven Winds above the RGB Bump*”, 2019ApJ...885..113M [ADS](#)
- Houdebine, E. R., Mullan, D. J., Doyle, J. G., et al., “*VizieR Online Data Catalog: Stellar parameters of M and K dwarfs (Houdebine+, 2019)*”, 2019yCat..51580056H [ADS](#)
- Houdebine, É. R., Mullan, D. J., Doyle, J. G., et al., “*The Mass-Activity Relationships in M and K Dwarfs. I. Stellar Parameters of Our Sample of M and K Dwarfs*”, 2019AJ....158...56H [ADS](#)
- Paudel, R. R., Gizis, J. E., Mullan, D. J., et al., “*K2 Ultracool Dwarfs Survey - V. High superflare rates on rapidly rotating late-M dwarfs*”, 2019MNRAS.486.1438P [ADS](#)
- Sim, T. G., Swindles, G. T., Morris, P. J., et al., “*Pathways for Ecological Change in Canadian High Arctic Wetlands Under Rapid Twentieth Century Warming*”, 2019GeoRL..46.4726S [ADS](#)
- Paudel, R. R., Gizis, J. E., Mullan, D. J., et al., “*VizieR Online Data Catalog: K2 ultracool dwarfs survey. III. M6-L0 flares (Paudel+, 2018)*”, 2019yCat..18580055P [ADS](#)
- Mullan, D. J. & MacDonald, J., “*The Umbral-penumbral Boundary in Sunspots in the Context of Magnetoconvection*”, 2019ApJ...873L..10M [ADS](#)
- Mullan, D. J. & Paudel, R. R., “*Origin of Radio-quiet Coronal Mass Ejections in Flare Stars*”, 2019ApJ...873...1M [ADS](#)
- Mullan, D. J., MacDonald, J., Dieterich, S., & Fausey, H., “*Magnetic Fields on the Flare Star Trappist-1: Consequences for Radius Inflation and Planetary Habitability*”, 2018ApJ...869..149M [ADS](#)
- Mullan, D. J. & Bais, H. P., “*Photosynthesis on a Planet Orbiting an M Dwarf: Enhanced Effectiveness during Flares*”, 2018ApJ...865..101M [ADS](#)
- Paudel, R. R., Gizis, J. E., Mullan, D. J., et al., “*White Light Flare Rates of M5-L5 dwarfs using K2 data*”, 2018csss.confE..78P [ADS](#)
- Paudel, R. R., Gizis, J. E., Mullan, D. J., et al., “*K2 Ultracool Dwarfs Survey. IV. Monster Flares Observed on the Young Brown Dwarf CFHT-BD-Tau 4*”, 2018ApJ...861...76P [ADS](#)
- MacDonald, J., Mullan, D. J., & Dieterich, S., “*The Magnetic Binary GJ 65: A Test of Magnetic Diffusivity Effects*”, 2018ApJ...860..15M [ADS](#)
- Paudel, R. R., Gizis, J. E., Mullan, D. J., et al., “*K2 Ultracool Dwarfs Survey. III. White Light Flares Are Ubiquitous in M6-L0 Dwarfs*”, 2018ApJ...858...55P [ADS](#)
- Mullan, D. J. & Paudel, R. R., “*Frequencies of Flare Occurrence: Interaction between Convection and Coronal Loops*”, 2018ApJ...854..14M [ADS](#)
- Paudel, R. R., Gizis, J. E., Mullan, D., et al., “*The most powerful white light flare observed on a young brown dwarf*”, 2018AAS...23134910P [ADS](#)
- MacDonald, J. & Mullan, D. J., “*Magnetic Modeling of Inflated Low-mass Stars Using Interior Fields No Larger than ~10 kG*”, 2017ApJ...850..58M [ADS](#)
- Houdebine, E. R., Mullan, D. J., Bercu, B., Paletou, F., & Gebran, M., “*VizieR Online Data Catalog: Rotation-Activity Correlations in K-M dwarfs II (Houdebine+, 2017)*”, 2017yCat..18370096H [ADS](#)
- Houdebine, E. R., Mullan, D. J., Paletou, F., & Gebran, M., “*VizieR Online Data Catalog: Rotation-Activity Correlations in K-M dwarfs. I. (Houdebine+, 2016)*”, 2017yCat..18220097H [ADS](#)
- Gizis, J. E., Paudel, R. R., Mullan, D., et al., “*K2 Ultracool Dwarfs Survey. II. The White Light Flare Rate of Young Brown Dwarfs*”, 2017ApJ...845...33G [ADS](#)
- MacDonald, J. & Mullan, D. J., “*LSPM J1314+1320: An Oversized Magnetic Star with Constraints on the Radio Emission Mechanism*”, 2017ApJ...843..142M [ADS](#)
- Houdebine, E. R., Mullan, D. J., Bercu, B., Paletou, F., & Gebran, M., “*The Rotation-Activity Correlations in K and M Dwarfs. II. New Constraints on the Dynamo Mechanisms in Late-K and M Dwarfs Before and At the Transition to Complete Convection*”, 2017ApJ...837..96H [ADS](#)
- MacDonald, J. & Mullan, D. J., “*The Age of the KIC 7177553 System*”, 2017ApJ...834..99M [ADS](#)
- MacDonald, J. & Mullan, D. J., “*Apparent Non-coevality among the Stars in Upper Scorpio: Resolving the Problem Using a Model of Magnetic Inhibition of Convection*”, 2017ApJ...834..67M [ADS](#)
- Houdebine, E. R., Mullan, D. J., Paletou, F., & Gebran, M., “*Rotation-Activity Correlations in K and M Dwarfs. I. Stellar Parameters and Compilations of $v \sin I$ and $P/\sin I$ for a Large Sample of Late-K and M Dwarfs*”, 2016ApJ...822..97H [ADS](#)
- Mullan, D. J. & MacDonald, J., “*Mechanical Energy Fluxes Associated with Saturated Coronal Heating in M Dwarfs: Comparison with Predictions of a Turbulent Dynamo*”, 2016ApJ...818..154M [ADS](#)
- Mullan, D. J., Houdebine, E. R., & MacDonald, J., “*A Model for Interface Dynamos in Late K and Early M Dwarfs*”, 2015ApJ...810L..18M [ADS](#)
- MacDonald, J. & Mullan, D. J., “*Magnetoconvective models of red dwarfs: constraints imposed by the lithium abundance*”, 2015MNRAS.448.2019M [ADS](#)
- Houdebine, E. R. & Mullan, D. J., “*Dynamics of Rotation in M Dwarfs: Indications for a Change in the Dynamo Regime in Stars at the Onset of Complete Convection*”, 2015ApJ...801..106H [ADS](#)
- MacDonald, J. & Mullan, D. J., “*Surface Magnetic Field Strengths: New Tests of Magnetoconvective Models of M Dwarfs*”, 2014ApJ...787..70M [ADS](#)
- Rodríguez-López, C., MacDonald, J., Amado, P. J., Moya, A., & Mullan, D., “*The theoretical instability strip of M dwarf stars*”, 2014MNRAS.438.2371R [ADS](#)
- MacDonald, J. & Mullan, D., “*Lithium abundance and surface magnetic fields: new constraints in magnetic models of M dwarfs*”, 2013arXiv1311.3246M [ADS](#)
- MacDonald, J. & Mullan, D. J., “*Magnetic Effects and Oversized M Dwarfs in the Young Open Cluster NGC 2516*”, 2013ApJ...765..126M [ADS](#)
- Mullan, D. J., MacDonald, J., & Raballo-Soares, M. C., “*Solar Cycle Variation of Sound Speed inside the Sun*”, 2012ApJ...755..79M [ADS](#)
- MacDonald, J. & Mullan, D. J., “*Precision modelling of M dwarf stars: the magnetic components of CM Draconis*”, 2012MNRAS.421.3084M [ADS](#)
- Mullan, D. J. & MacDonald, J., “*Modeling Low-mass Stars in the Presence of Magnetic Fields*”, 2011ASPC..448.1209M [ADS](#)
- Stassun, K. G., Hebb, L., Covey, K., et al., “*The M4 Transition: Toward a Comprehensive Understanding of the Transition into the Fully Convective Regime*”, 2011ASPC..448..505S [ADS](#)
- Mullan, D. J., “*Threshold effects in assembling a cell on a young planet*”, 2011SPIE.8152E..14M [ADS](#)
- Baylor, R. N., Cassak, P. A., Christe, S., et al., “*Estimates of Densities and Filling Factors from a Cooling Time Analysis of Solar Microflares Observed with RHESSI*”, 2011ApJ...736..75B [ADS](#)
- Macdonald, J. & Mullan, D. J., “*Magneto-convection and Lithium Age Estimates of the β Pictoris Moving Group*”, 2010ApJ...723.1599M [ADS](#)
- Mullan, D. J., “*Patterns of X-ray, Chromospheric, and Radio Emission in Low-mass Stars: Fast and Slow Magnetic Reconnection*”, 2010ApJ...721.1034M [ADS](#)
- Mullan, D. J. & MacDonald, J., “*Magnetic Models of the Brown Dwarfs HD 130948b and HD 130948c*”, 2010ApJ...713.1249M [ADS](#)
- Mullan, D. J., “*Non-sparse Sampling of the Genomic Phase-Space of a Protocell in the Young Earth*”, 2009ASPC..420..287M [ADS](#)
- Mullan, D. J., “*Flares on a Bp Star*”, 2009ApJ...702..759M [ADS](#)
- MacDonald, J. & Mullan, D. J., “*Big bang nucleosynthesis: The strong nuclear force meets the weak anthropic principle*”, 2009PhRvD..80d3507M [ADS](#)
- MacDonald, J. & Mullan, D. J., “*Structural Effects of Magnetic Fields in Brown Dwarfs*”, 2009ApJ...700..387M [ADS](#)
- Cassak, P. A., Shay, M. A., Drake, J. F., Eckhardt, B., & Mullan, D. J., “*The Nonlinear Dynamics of Magnetic Reconnection and Applications to Solar Eruptions*”, 2008AGUFMSM23C..01C [ADS](#)
- Cassak, P. A., Mullan, D. J., & Shay, M. A., “*The Role of Magnetic Reconnection in Self-Organization of the Corona: Theory and Observations*”, 2008AGUFMNG41A..03C [ADS](#)
- Cassak, P. A., Mullan, D. J., & Shay, M. A., “*From Solar and Stellar Flares to Coronal Heating: Theory and Observations of How Magnetic Reconnection Regulates Coronal Conditions*”, 2008ApJ...676L..69C [ADS](#)
- Mullan, D. J., MacDonald, J., & Townsend, R. H. D., “*Magnetic Cycles in the Sun: Modeling the Changes in Radius, Luminosity, and p-Mode Frequencies*”, 2007ApJ...670.1420M [ADS](#)

- Mullan, D., Cassak, P. A., & Shay, M. A., "Observational Evidence of the Role of Collisionless Magnetic Reconnection in Self-Organization of Solar and Stellar Coronae", 2007AGUFMSH41C..03M [ADS](#)
- Riaz, B., Mullan, D. J., & Gizis, J. E., "Spitzer Observations of Nearby M Dwarfs", 2006ApJ...650..1133R [ADS](#)
- Mullan, D. J., Mathioudakis, M., Bloomfield, D. S., & Christian, D. J., "A Comparative Study of Flaring Loops in Active Stars", 2006ApJS..164..173M [ADS](#)
- Mullan, D. J. & Smith, C. W., "Solar Wind Statistics at 1 AU: Alfvén Speed and Plasma Beta", 2006SoPh..234..325M [ADS](#)
- Mullan, D. J. & Waldron, W. L., "Winds from OB Stars: A Two-Component Scenario?", 2006ApJ...637..506M [ADS](#)
- Mullan, D. J., Riaz, B., & Gizis, J. E., "Spitzer observations of active M dwarfs", 2005AAS...20718201M [ADS](#)
- Mullan, D. J. & MacDonald, J., "Dynamo-generated magnetic fields at the surface of a massive star", 2005MNRAS.356.1139M [ADS](#)
- Gizis, J. & Mullan, D.: 2004, *Coronal and Chromospheric Heating in Active Dwarf Stars*, Spitzer Proposal ID 3562 2004sptz.prop.3562G [ADS](#)
- MacDonald, J. & Mullan, D. J., "Magnetic fields in massive stars: dynamics and origin", 2004MNRAS.348..702M [ADS](#)
- Smith, C. W., Mullan, D. J., & Ness, N. F., "Further evidence of wave refraction associated with extended rarefaction events in the solar wind", 2004JGRA..109.1111S [ADS](#)
- MacDonald, J. & Mullan, D. J., "Onset of Shear Instability in Rotating Red Giants", 2003ApJ...598..560M [ADS](#)
- Mullan, D. J. & MacDonald, J., "Structure and Evolution of Low-mass Stars: Where Do Magnetic stars Become Completely Convective?", 2003csss...12..893M [ADS](#)
- Smith, C. W., Mullan, D. J., Ness, N. F., Skoug, R. M., & Steinberg, J., "Day the Solar Wind Almost Disappeared: Magnetic Field Fluctuations and Wave Refraction", 2003AIPC..679..509S [ADS](#)
- Matthaeus, W. H., Dmitruk, P., Oughton, S., & Mullan, D., "Turbulent dissipation in the solar wind and corona", 2003AIPC..679..427M [ADS](#)
- Mullan, D. J. & MacDonald, J., "Onset of Mass Loss in Red Giants: Association with an Evolutionary Event", 2003ApJ...591.1203M [ADS](#)
- Mullan, D. J. & MacDonald, J., "Onset of mass loss in red giants: association with an evolutionary event", 2003AAS...202.5504M [ADS](#)
- Mullan, D. J., Smith, C. W., Ness, N. F., & Skoug, R. M., "Short-Period Magnetic Fluctuations in Advanced Composition Explorer Solar Wind Data: Evidence for Anticorrelation with Alfvén Speed", 2003ApJ...583..496M [ADS](#)
- Smith, C. W., Mullan, D. J., Ness, N. F., & Skoug, R. M., "Wave Refraction During the May 2002 Rarefaction Event", 2002AGUFMSH72C..08S [ADS](#)
- Christian, D. J., Mathioudakis, M., Jevremovic, D., Mullan, D. J., & Lehner, N., "Late-type Stars with Coronae but No Chromospheres?", 2002AAS...201.1206C [ADS](#)
- Mullan, D. J., "The origin of the FIP effect in solar and stellar atmospheres", 2002APS..DPPQM2001M [ADS](#)
- Dmitruk, P., Matthaeus, W. H., Milano, L. J., et al., "Coronal Heating Distribution Due to Low-Frequency, Wave-driven Turbulence", 2002ApJ...575..571D [ADS](#)
- Bond, H. E., O'Brien, M. S., Sion, E. M., et al., "V471 Tauri and SuWt 2: The Exotic Descendants of Triple Systems?", 2002ASPC..279..239B [ADS](#)
- Bond, H. E., Mullan, D. J., O'Brien, M. S., & Sion, E. M., "Detection of Coronal Mass Ejections in V471 Tauri with the Hubble Space Telescope", 2001ApJ...560..919B [ADS](#)
- Smith, C. W., Mullan, D. J., Ness, N. F., Skoug, R. M., & Steinberg, J., "Day the solar wind almost disappeared: Magnetic field fluctuations, wave refraction and dissipation", 2001JGR..10618625S [ADS](#)
- Mullan, D. J. & MacDonald, J., "Are Magnetically Active Low-Mass M Dwarfs Completely Convective?", 2001ApJ...559..353M [ADS](#)
- Mullan, D. J., Ness, C. W., Smith, N. F., Skoug, J., & Steinberg, R., "Particle channels in the solar wind: Magnetic Field Fluctuations, Wave Refraction and Dissipation", 2001ICRC...8.3349M [ADS](#)
- Mullan, D. J., Smith, C. W., Ness, N. F., Skoug, R. M., & Steinberg, J., "The Day the Solar Wind (Almost) Disappeared: Refraction and Dissipation", 2001AGUSM..SP61A01M [ADS](#)
- Dmitruk, P., Matthaeus, W. H., Milano, L. J., et al., "Coronal Heating Distribution due to Alfvénic Driven Magnetohydrodynamic Turbulence", 2001AGUSM..SH22E02D [ADS](#)
- Oughton, S., Matthaeus, W. H., Dmitruk, P., et al., "A Reduced Magnetohydrodynamic Model of Coronal Heating in Open Magnetic Regions Driven by Reflected Low-Frequency Alfvén Waves", 2001ApJ...551..5650 [ADS](#)
- Bond, H. E., O'Brien, M. S., Mullan, D. J., & Sion, E. M., "The Oversized Magnetically Active dK Component of V471 Tauri", 2001AGM...18S0709B [ADS](#)
- Mullan, D., "Extended Atmospheres", in P. Murdin (Ed.), Encyclopedia of Astronomy and Astrophysics, 1846 2000eaa..bookE1846M [ADS](#)
- Mullan, D. J. & Mathioudakis, M., "Extreme-Ultraviolet Flares in an F2 Star", 2000ApJ...544..475M [ADS](#)
- Leamon, R. J., Matthaeus, W. H., Smith, C. W., et al., "MHD-driven Kinetic Dissipation in the Solar Wind and Corona", 2000ApJ...537.1054L [ADS](#)
- Mullan, D. J., "Solar Physics: From the Deep Interior to the Hot Corona", in D. Page and J. G. Hirsch (Eds.), From the Sun to the Great Attractor, Vol. 556, 1 2000LNPI..556....1M [ADS](#)
- Mullan, D. J. & Arge, C. N., "The Origin of the FIP Effect in the Solar Atmosphere", 2000ASPC..206..71M [ADS](#)
- Mullan, D. J. & Khabibrahmanov, I. K., "Gravity damping of Alfvén waves: numerical modelling", 1999ESASP.446..503M [ADS](#)
- Landi, E., Mullan, D., Poletto, G., & Wilhelm, K., "Plasma Flows In Coronal Hole Regions", 1999ESASP.446..417L [ADS](#)
- Matthaeus, W. H., Zank, G. P., Oughton, S., Mullan, D. J., & Dmitruk, P., "Coronal Heating by Magnetohydrodynamic Turbulence Driven by Reflected Low-Frequency Waves", 1999ApJ...523L..93M [ADS](#)
- Carpenter, K. G., Robinson, R. D., Harper, G. M., et al., "GHRS Observations of Cool, Low-Gravity Stars. V. The Outer Atmosphere and Wind of the Nearby K Supergiant λ Velorum", 1999ApJ...521..382C [ADS](#)
- Khabibrahmanov, I. K. & Mullan, D. J., "Gravity damping of Alfvén waves: Theory and numerical modeling", 1999AIPC..471..349K [ADS](#)
- Cuseri, I., Mullan, D., Noci, G., & Poletto, G., "Heating and Acceleration of the Solar Wind via Gravity Damping of Alfvén Waves", 1999ApJ...514..989C [ADS](#)
- Mathioudakis, M. & Mullan, D. J., "HR 1817: the EUV properties of an active F dwarf", 1999A&A...342..524M [ADS](#)
- Matthaeus, W. H., Zank, G. P., Leamon, R. J., et al., "Fluctuations, Dissipation and Heating in the Corona", 1999SSRv...87..269M [ADS](#)
- Cuseri, I., Mullan, D., & Poletto, G., "Coronal Heating: a Comparison of Ion-cyclotron and Gravity Damping Models", 1999SSRv...87..153C [ADS](#)
- Mullan, D. J. & Linsky, J. L., "Nonprimordial Deuterium in the Interstellar Medium", 1999ApJ...511..502M [ADS](#)
- Carpenter, K. G., Robinson, R. D., Harper, G. M., et al., "The Chromosphere, Wind, and Mass-Loss Rate of λ Velorum (K5 Ib) as Revealed by UV Emission Line Profiles", 1998AAS...193.4502C [ADS](#)
- Arge, C. N. & Mullan, D. J., "Modelling of magnetic interactions in partially-ionized gas: application to the FIP effect", 1998SoPh..182..293A [ADS](#)
- Mullan, D. J., Carpenter, K. G., & Robinson, R. D., "Large Variations in the Winds of Single Cool Giants: λ Velorum and γ Crucis", 1998ApJ...495..927M [ADS](#)
- Mullan, D. J., "Comparing Observations of Cyclical Variability in - and Cool-Star Winds", 1998cvsw.conf..173M [ADS](#)
- Cuseri, I., Mullan, D. J., Noci, G., & Poletto, G., "A new heating and acceleration mechanism for the fast solar wind", 1998MmSAI..69..745C [ADS](#)
- Mullan, D. J., "Large-eddy simulation of astrophysical convection and acoustic emission", 1998ASPC..138..253M [ADS](#)
- McKenzie, D. E. & Mullan, D. J., "Periodic Modulation of X-Ray Intensity from Coronal Loops - Heating by Resonant Absorption?", 1997SoPh..176..127M [ADS](#)
- Khabibrahmanov, I. K. & Mullan, D. J., "Response to Comment by J. V. Hollweg", 1997ApJ...488..898K [ADS](#)
- Hossain, M. & Mullan, D. J., "Cyclic convection in a zone bounded by stable layers", 1997PhRvE..55.2769H [ADS](#)
- Arge, C. N. & Mullan, D. J., "Two-Dimensional Time-Dependent MHD in Partially Ionized Gas: Application to the FIP problem.", 1997SPD....28.0240A [ADS](#)
- MacDonald, J. & Mullan, D., "Radiative Transfer Effects on the Stability of Sound Waves in a Polytropic Atmosphere", 1997ApJ...481..963M [ADS](#)
- Mullan, D. J., "Wind Properties of Evolved Stars: Effects on Particle Acceleration", 1997cwh..conf..197M [ADS](#)
- Mullan, D. J., "Discrete sources of the solar wind: observability with Solar Probe", 1997AIPC..385..235M [ADS](#)
- Mullan, D. J., "Acceleration of the solar wind: effects of plasmoids", 1997AIPC..385..205M [ADS](#)
- Mullan, D. J. & Fleming, T. A., "Coronal Heating in dMe and dM Stars: Clues from the X-Ray Surface Fluxes", 1996ApJ...464..890M [ADS](#)
- Mullan, D. J. & Arge, C. N., "Structure of the heliospheric MHD bow shock: Effects of ion-atom drifts", 1996JGR..101.2535M [ADS](#)
- Williams, L. L. & Mullan, D. J., "Correlating Coronal Temperature and Gravitational Potential: A Test of the Nonthermal Boundary Hypothesis", 1996ApJ...457L..95W [ADS](#)
- Mullan, D. J.: 1996a, *Test of an Acoustic Mechanism for Atmospheric Heating in Dynamo-Deficient F Stars*, Technical Report, NASA/CR-97-206191; NAS 1.26:206191 1996nasa.reptU....M [ADS](#)
- Mullan, D. J.: 1996b, *Acoustic and Magnetic Heating of Chromospheres/Coronae: Are There Distinct Signatures?*, Technical Report, NASA/CR-97-205855; NAS 1.26:205855 1996nasa.reptT....M [ADS](#)
- Yakovlev, O. I. & Mullan, D. J., "Remote Sensing of the Solar Wind Using Radio Waves: Part 2", 1996TrAJ...23....7Y [ADS](#)

- Mullan, D. J., "Mass loss from active dwarf stars", 1996ASPC..109..461M [ADS](#)
- Mullan, D. J. & Yakovlev, O. I., "Remote Sensing of the Solar Wind Using Radio Waves: Part I", 1995IrAJ...22..119M [ADS](#)
- Cheng, Q. Q., Hossain, M., & Mullan, D. J., "Destabilization of Compressible Convection by Radiation: Quantitative Evaluation", 1995ApJ...447..789C [ADS](#)
- Mullan, D. J. & Johnson, M., "Coronal Heating in Flare Stars: Resonant MHD Absorption?", 1995ApJ...444..350M [ADS](#)
- Arge, C. N., Mullan, D. J., & Dolginov, A. Z., "Magnetic Moments and Angular Momenta of Stars and Planets", 1995ApJ...443..795A [ADS](#)
- Hossain, M. & Mullan, D. J., "Intrinsic Time-dependence in Astrophysical Convection", 1995SPD...26..104H [ADS](#)
- Mullan, D. J., Fleming, T. A., & Schmitt, J. H. M. M., "A dividing line between dM and dMe stars: X-ray surface fluxes", 1995IAUS..176P.210M [ADS](#)
- Mullan, D. J. & Cheng, Q. Q., "Acoustic heating in Procyon: comparison of theory with EUVE data", 1995IAUS..176P.208M [ADS](#)
- Mullan, D. J. & Johnson, M., "Coronal loops in flare stars: heating by resonant MHD absorption", 1995IAUS..176P.206M [ADS](#)
- Mullan, D. J. & Cheng, Q. Q., "Acoustic Heating of the Chromosphere and Cool Corona in the F Star alpha Canis Minoris (Procyon)", 1994ApJ...435..435M [ADS](#)
- Christensen-Dalsgaard, J. & Mullan, D. J., "Accurate Frequencies of Polytropic Models", 1994MNRAS.270..921C [ADS](#)
- Khabibrakhmanov, I. K. & Mullan, D. J., "Gravitational Damping of Alfvén Waves in Stellar Atmospheres and Winds", 1994ApJ...430..814K [ADS](#)
- Mullan, D.: 1994, "Test of an Acoustic Mechanism for Atmospheric Heating in Dynamo-deficient F Stars", EUVE Proposal ID 94-029 1994euve.prop...29M [ADS](#)
- Mullan, D. J. & Cheng, Q. Q., "Acoustic Waves in M Dwarfs: Maintaining a Corona", 1994ApJ...420..392M [ADS](#)
- Mullan, D. J. & Cheng, Q. Q., "Acoustically Heated Chromospheres in M Dwarfs", 1994ASSL..187..587M [ADS](#)
- Hossain, M. & Mullan, D. J., "Penetrative Stellar Convection", 1993AA...18311103H [ADS](#)
- Arge, N., Mullan, D. J., & Dolginov, A., "Magnetic Moments and Angular Momenta in Stars and Planets", 1993AA...18311101A [ADS](#)
- Cheng, Q. Q. & Mullan, D. J., "Acoustic Heating of Coronae in Inactive M Dwarfs", 1993AA...183.1508C [ADS](#)
- Mullan, D. J. & Johnson, M., "Periodic X-ray Emission in Flare Stars: Resonant MHD Absorption?", 1993AA...183.1503M [ADS](#)
- Hossain, M. & Mullan, D. J., "Simulation of Compressible Convection: A Comparative Study of Boundary Conditions", 1993ApJ...416..733H [ADS](#)
- Mullan, D. J. & Cheng, Q. Q., "MG II and LY alpha Fluxes in M Dwarfs: Evaluation of an Acoustic Model", 1993ApJ...412..312M [ADS](#)
- Hossain, M. & Mullan, D. J., "Simulation of Compressible Convection: A Comparative Study of Boundary Conditions", 1993BAAS...25.1194H [ADS](#)
- Doyle, J. G. & Mullan, D. J., "Mass Loss from Cool Dwarfs: Limits on Detectability", 1993ASSL..183..401D [ADS](#)
- Mullan, D. J. & Cheng, Q. Q., "Shock heating in inactive M dwarf atmospheres", 1992AA...181.5105M [ADS](#)
- Hossain, M. & Mullan, D. J.: 1992, Three-dimensional Compressible Hydrodynamic Convection in the Sun and Stars: Erratum, *Astrophysical Journal* v.397, p.353 1992ApJ...397..353H [ADS](#)
- Mullan, D. J., Doyle, J. G., Redman, R. O., & Mathioudakis, M., "Limits on Detectability of Mass Loss from Cool Dwarfs", 1992ApJ...397..225M [ADS](#)
- Mullan, D. J., "Book Review: The sun and cool stars: activity, magnetism, dynamos / Springer-Verlag, 1991", 1992SoPh..139..409M [ADS](#)
- Fontenla, J. M., Mullan, D. J., & Fontenla, J. M., "Book Review: Mechanisms of chromospheric and coronal heating / Springer, 1991", 1992SoPh..139..409F [ADS](#)
- Mullan, D. J., Herr, R. B., & Bhattacharyya, S., "Transient Periodicities in X-Ray-active Red Dwarfs: First Results from Mount Cuba and Interpretation with an Oscillating Loop Model", 1992ApJ...391..265M [ADS](#)
- Mullan, D. J., Doyle, J. G., Mathioudakis, M., & Redman, R. O., "Limits on detectability of mass loss from cool dwarfs", 1992AA...180.6006M [ADS](#)
- Herr, R. B. & Mullan, D. J., "Transient optical periodicities in coronal red dwarfs.", 1992MmSAI..63..747H [ADS](#)
- Mullan, D. J., "Summary and Conclusions (Invited)", in P. B. Byrne and D. J. Mullan (Eds.), *Surface Inhomogeneities on Late-Type Stars*, Vol. 397, 233 1992LNP...397..233M [ADS](#)
- Byrne, P. B. & Mullan, D. J.: 1992, *Surface Inhomogeneities on Late-Type Stars*, Vol. 397 1992LNP...397....B [ADS](#)
- Mullan, D. J., Doyle, J. G., Mathioudakis, M., & Redman, R. O., "Millimeter; Sub-Millimeter Emission from Flare Stars", 1992ASPC...26..328M [ADS](#)
- Mullan, D. J., Herr, R. B., & Bhattacharyya, S., "Transient Optical Periodicities in Red Dwarfs: Loop Oscillations in the Corona", 1992ASPC...26..306M [ADS](#)
- Hossain, M. & Mullan, D. J., "Three-dimensional Compressible Hydrodynamic Convection in the Sun and Stars", 1991ApJ...380..631H [ADS](#)
- Herr, R. B. & Mullan, D. J., "Transient Optical Periodicities of Red Dwarfs with High X-Ray Luminosities", 1991BAAS...23.1383H [ADS](#)
- Mullan, D. J.: 1991a, *Corona: Coordinated research on non-thermal processes in astrophysics*, Final Report, 1 May 1988 - 30 Apr. 1991 Delaware Univ., Newark. 1991udnw.rept.....M [ADS](#)
- Mullan, D. J., "Survival of discrete structures in the solar wind", 1991AA...248..256M [ADS](#)
- Mullan, D. J., Shipman, H. L., Sion, E. M., & MacDonald, J., "Inefficient Accretion by the DA2 White Dwarf in V471 Tauri", 1991ApJ...374..707M [ADS](#)
- Mullan, D. J., "Convection in Stars and Heating of Coronae", 1991IrAJ...20..1M [ADS](#)
- Hossain, M. & Mullan, D. J., "Three-Dimensional Hydrodynamic Stellar Convection", 1991BAAS...23.1047H [ADS](#)
- Mullan, D. J., "Coronal Heating by Nanoflares: Possible Evidence of Plasmoids in Radio Occultation Data", 1991mcch.conf..637M [ADS](#)
- Mullan, D. J., Shipman, H. L., Sion, E. M., & MacDonald, J., "Inefficient Accretion by the DA2 White Dwarf in V471 Tauri", 1991BAAS...23..828M [ADS](#)
- Mullan, D. J., "Globular Clusters - where have all the Light Stars Gone", 1990IrAJ...19..177M [ADS](#)
- Mullan, D. J., "On the "Fast Electron Hypothesis" for Stellar Flares", 1990ApJ...361..215M [ADS](#)
- Mullan, D. J., "Sources of the solar wind - What are the smallest-scale structures?", 1990AA...232..520M [ADS](#)
- Hossain, M. & Mullan, D. J., "New Numerical Solutions of Three-dimensional Compressible Hydrodynamic Convection", 1990ApJ...354L..33H [ADS](#)
- Hossain, M. & Mullan, D. J., "A Model of 3-Dimensional Compressible Convection", 1990BAAS...22..897H [ADS](#)
- Sion, E. M., Mullan, D. J., & Shipman, H. L., "A search for evidence of wind accretion by the DA2 white dwarf in V471 Tauri.", 1990apcb.conf..155S [ADS](#)
- , "Astrophysics in Antarctica : Newark, Delaware, 1989", 1990AIPC..198....M [ADS](#)
- Mullan, D. J., "Discrete Sources of Solar Wind: What are the Smallest Structures?", 1989BAAS...21.1187M [ADS](#)
- Mullan, D. J., Stencel, R. E., & Backman, D. E., "Far-Infrared Properties of Flare Stars and dM Stars", 1989ApJ...343..400M [ADS](#)
- Sion, E. M., Bruhwiler, F. C., Mullan, D., & Carpenter, K., "Discovery of a Cool Expanding Shell at 1200 Kilometers per Second around V471 Tauri", 1989ApJ...341L..17S [ADS](#)
- Mullan, D. J., Sion, E. M., Bruhwiler, F. C., & Carpenter, K. G., "Evidence for a Cool Wind from the K2 Dwarf in the Detached Binary V471 Tauri", 1989ApJ...339L..33M [ADS](#)
- Mullan, D. J., "Solar and Stellar Flares - Questions and Problems", 1989SoPh..121..239M [ADS](#)
- Mullan, D. J., Stencel, R. E., & Backman, D. E., "Far-Infrared Properties of Flare Stars and dM Stars", 1989BAAS...21..795M [ADS](#)
- Mullan, D. J., "G-Mode Pulsations in Polytropes: High-Precision Eigenvalues and the Approach to Asymptotic Behavior", 1989ApJ...337.1017M [ADS](#)
- Sion, E. M., Bruhwiler, F. C., Carpenter, K., & Mullan, D. J., "V471 Tauri", 1988IAUC.4667....2S [ADS](#)
- Sion, E. M., Bruhwiler, F. C., Carpenter, K., & Mullan, D. J., "V471 Tauri: The Oldest and Nearest Old Nova?", 1988BAAS...20S1021S [ADS](#)
- Mullan, D. J., Sion, E. M., Bruhwiler, F., & Carpenter, K., "Detection of a Cool Wind From the K Dwarf in V471 Tauri", 1988BAAS...20..997M [ADS](#)
- Mullan, D. J. & Ulrich, R. K., "Radial and Nonradial Pulsations of Polytopes: High-Precision Eigenvalues and the Approach of p-Modes to Asymptotic Behavior", 1988ApJ...331.1013M [ADS](#)
- Mullan, D. J., Bruhwiler, F., & Sion, E. M., "Mass loss from the K dwarf in V471 Tauri", 1988ESASP.281a.423M [ADS](#)
- Sion, E. M., Mullan, D. J., & Bruhwiler, F. C., "Discovery of a Stellar Wind in V471 Tauri: Accretion, Magnetic Braking and Pre-CV Evolution", 1988BAAS...20..706S [ADS](#)
- Holt, R. D. & Mullan, D. J., "Chromospheric velocities at the location of helium 10830 Å dark points.", 1988sscd.conf...80H [ADS](#)
- Waldron, W. L. & Mullan, D. J., "Magnetohydrodynamic Modeling of Coronal Bright Points", 1987ApJ...319..971W [ADS](#)
- Mullan, D. J. & Waldron, W. L., "Velocity Fields in a Low-Latitude Coronal Hole: Results from the Solar Maximum Mission", 1987ApJ...317..487M [ADS](#)
- Mullan, D. J., "X-Rays from Globular Clusters", 1987IrAJ...18..54M [ADS](#)
- Mullan, D. J., "How to Recognize a Black-Hole", 1987IrAJ...18..52M [ADS](#)
- Mullan, D. J., "Different Types of Solar Flares", 1987IrAJ...18....1M [ADS](#)

- Mullan, D. J.: 1986, *Ultraviolet observations of astronomical phenomena*, Final Report Delaware Univ., Newark. 1986udnw.reptS....M [ADS](#)
- Wayman, P. A. & Mullan, D. J., "Ernst Julius Öpik, 23 October 1893 - 10 September 1985.", 1986QJRAS..27..508W [ADS](#)
- Mullan, D. J., "Winds in Hot Stars - X-Ray Driven Flip-Flops", 1986IrAJ...17..521M [ADS](#)
- Mullan, D. J., "Is There a Difference Between Coronal Heating and Flaring in the Sun?", 1986IrAJ...17..518M [ADS](#)
- Mullan, D. J., "E.J. Öpik - an Astronomer's Astronomer", 1986IrAJ...17..425M [ADS](#)
- Mullan, D. J., Holt, R. D., & Waldron, W. L., "Coronal Bright Points: Ca II K Line Shifts and MHD Modelling", 1986BAAS...18R1042M [ADS](#)
- Mullan, D. J. & Waldron, W. L., "Ionic Charge States of Solar Energetic Particles: Effects of Flare X-Rays?", 1986ApJ...308L..21M [ADS](#)
- Mullan, D. J., "Displaced narrow absorption components in the spectra of mass-losing OB stars : indications of corotating interaction regions?", 1986A&A...165..157M [ADS](#)
- Mullan, D. J. & Waldron, W. L.: 1986a, *A search for outflows from X-ray bright points in coronal holes*, Final Report Delaware Univ., Newark. 1986udnw.reptR....M [ADS](#)
- Mullan, D. J. & Waldron, W. L.: 1986b, *Ionic charge distributions of energetic particles from solar flares*, Semiannual Report, 1 Jul. - 31 Dec. 1985 Delaware Univ., Newark. 1986udnw.reptQ....M [ADS](#)
- Holt, R. D. & Mullan, D. J., "Shifts of the Ca II K line in He I 10830 dark points.", 1986SoPh..107..63H [ADS](#)
- Mullan, D. J., "Circumstellar Matter around Cool Stars", 1986IrAJ...17..364M [ADS](#)
- Brosius, J. W. & Mullan, D. J., "Models of Transition Regions in Hybrid Stars", 1986ApJ...301..650B [ADS](#)
- Mullan, D. J., "M dwarfs: Theoretical work", in NASA Special Publication, Vol. 492, 455-479. 1986NASSP.492..455M [ADS](#)
- Mullan, D. J., "X-Ray Stars in Our Galaxy - Further Notes from the Einstein Satellite", 1985IrAJ...17..153M [ADS](#)
- Mullan, D. J., "Anomalous Abundances of Solar Energetic Particles and Coronal Gas: Coulomb Effects and First Ionization Potential (fip) Ordering", 1985ICRC....4..237M [ADS](#)
- Mullan, D. J., "Radio outbursts in RS Canum Venaticorum stars : Coronal heating and electron runaway.", 1985ApJ...295..628M [ADS](#)
- Cram, L. E. & Mullan, D. J., "Formation of the H-alpha absorption line in the chromospheres of cool stars", 1985ApJ...294..626C [ADS](#)
- Mullan, D. J., "Non-Thermal Radio Emission from Flare Stars and RS CVn Systems (Invited Paper)", 1985ASSL..116..173M [ADS](#)
- Mullan, D. J., "Co-rotating Interaction Regions In Stellar Winds: Particle Acceleration and Non-Thermal Radio Emission in Hot Stars", 1985ASSL..116..39M [ADS](#)
- Holt, R., Fortune, N., Braun, D., & Mullan, D., "Observations of the Ca II K spectral line in He 10830 Å dark points.", 1985BAAS...17..760H [ADS](#)
- Holt, R., Park, A., Archibald, J., & Mullan, D., "Search for Chromospheric Velocity Signatures of HeI 10830Å Dark Points", 1985BAAS...17Q.593H [ADS](#)
- Holt, R., Park, A., Archibald, J., & Mullan, D., "Search for chromospheric velocity signatures of He I 10830 Å darkpoints.", 1985BAAS...17..593H [ADS](#)
- Mullan, D. J.: 1985a, *A Study of Mass Loss in a Long-Period Cepheid Variable*, IUE Proposal ID DCHDM 1985iue..prop.2183M [ADS](#)
- Mullan, D. J., "Co-rotating interaction regions in stellar winds: particle acceleration and non-thermal radio emission in hot stars.", 1985NASCSP2358..130M [ADS](#)
- Mullan, D. J., "Radio Flare Stars under a "Microscope", 1985IrAJ...17..67M [ADS](#)
- Mullan, D. J., "Energy dissipation mechanisms in flare stars", 1985IAUS..107..245M [ADS](#)
- Holt, R., Fortune, N., Braun, D., & Mullan, D., "Observations of the Ca II K spectral line in He 10830 Å dark points.", 1985BAAS...17..933H [ADS](#)
- Brosius, J. W., Mullan, D. J., & Stencel, R. E., "Rotational modulation of chromospheric emission in cool giants and "hybrid" stars.", 1985ApJ...288..310B [ADS](#)
- Brosius, J. W., Mullan, D. J., & Stencel, R. E., "Rotational modulation of chromospheric emission in cool giants and "hybrid" stars.", 1984NASCSP2349..476B [ADS](#)
- Mullan, D. J., "Co-rotating interaction regions in stellar winds.", 1984NASCSP2349..458M [ADS](#)
- Mullan, D. J., "Asymmetries in stellar MG II H and K and CA II H and K line profiles - Discrepancies between MG and CA asymmetries", 1984ApJ...284..769M [ADS](#)
- Mullan, D. J., "Corotating interaction regions in stellar winds", 1984ApJ...283..303M [ADS](#)
- Mullan, D. J., "On the possibility of resonant electrodynamic coupling in the coronae of red dwarfs.", 1984ApJ...282..603M [ADS](#)
- Mullan, D. J. & Owens, A. J., "Alfven waves in the solar wind in association with solar energetic particles - Sunspot umbral origin?", 1984ApJ...280..346M [ADS](#)
- Mullan, D. J., "A note on the magnetic field strengths on the surfaces of cool dwarfs", 1984ApJ...279..746M [ADS](#)
- Mullan, D. J., "Co-rotating Interaction Regions in Stellar Winds", 1984BAAS...16Q.522M [ADS](#)
- Brosius, J. W., Mullan, D. J., & Stencel, R. E., "Rotational Modulation of Chromospheric Emission in Cool Giants and 'Hybrid' Stars", 1984BAAS...16..491B [ADS](#)
- Mullan, D. J., Perez-Peraza, J., Galvez, M., & Alvarez, M., "Acceleration of particles in shocked magnetic neutral sheets", 1984AdSpR...4b.157M [ADS](#)
- Mullan, D. J., "Do Magnetic Fields Drive Mass Loss in Hot and Cool Stars?", 1983IrAJ...16..107M [ADS](#)
- Mullan, D. J., "Momentum flux invariance in the solar wind", 1983ApJ...272..325M [ADS](#)
- Mullan, D. J., Perez-Peraza, J., Galvez, M., & Alvarez, M., "Solar particle corotating events from shocked neutral sheets.", 1983ICRC...10..307M [ADS](#)
- Mullan, D. J., Perez-Peraza, J., Galvez, M., & Alvarez-Madrigal, M., "Solar Particle Corotating Events from Shocked Neutral Sheets", 1983ICRC....4..25M [ADS](#)
- Mullan, D. J., "Release of solar cosmic rays from the corona - Rayleigh-Taylor instability and reconnection", 1983ApJ...269..765M [ADS](#)
- Mullan, D. J., "Isotopic anomalies among solar energetic particles Contribution of preacceleration in collapsing magnetic neutral sheets", 1983ApJ...268..385M [ADS](#)
- Mullan, D. J. & Steinolfson, R. S., "Closed and open magnetic fields in stellar winds", 1983ApJ...266..823M [ADS](#)
- Mullan, D. J. & Owens, A. J.: 1983, *Alfven waves in the solar wind in association with solar energetic particles: Sunspot umbral origin*, Final Report, 1 Oct. 1980 - 31 Mar. 1983 Delaware Univ., Newark. Research Foundation. 1983udnw.rept.....M [ADS](#)
- Mullan, D. J., "Closed and open magnetic fields in stellar atmospheres Effects on mass loss from cool giant stars", 1983IAUS..102..487M [ADS](#)
- Mullan, D. J., "Models of spots and flares", 1983ASSL..102..527M [ADS](#)
- Mullan, D. J., "Activity in Red Dwarf Stars", 1982IrAJ...15..288M [ADS](#)
- Mullan, D. J., "Hybrid' Stars and the Onset of Magnetically Driven Winds in Cool Giants", 1982BAAS...14..894M [ADS](#)
- Mullan, D. J., "Onset of rapid mass loss in cool giant stars - Magnetic field effects", 1982A&A...108..279M [ADS](#)
- Mullan, D. J. & Cram, L. E., "Model chromospheres of RS CVn stars : Balmer line profiles in lam And.", 1982A&A...108..251M [ADS](#)
- Mullan, D. J.: 1982, *Theoretical studies of the RS Canum Venaticorum stars*, Final Report, 1 Jan. 1980 - 31 Dec. 1981 Delaware Univ., Newark. 1982udnw.rept.....M [ADS](#)
- Mullan, D. J. & Stencel, R. E., "Magnesium emission variability among late-type giant stars.", 1982ApJ...253..716M [ADS](#)
- Mullan, D. J. & Ahmad, I. A., "Coronal Holes - Mass Loss Driven by Magnetic Reconnection", 1982SoPh...75..347M [ADS](#)
- Mullan, D. J. & Stencel, R. E., "Discrepant asymmetry stars: the role of unsteady magnetic flux loops in the atmospheres of late-type giant stars.", 1982NASCSP2238..235M [ADS](#)
- Mullan, D. J., "Isotopic anomalies in cosmic rays: effects of pre-acceleration in collapsing magnetic neutral sheets.", 1982BAAS...14..577M [ADS](#)
- Mullan, D. J., "Caution! High winds beyond this point.", 1982Ast....10a..74M [ADS](#)
- Mullan, D. J. & Levine, R. H., "Preacceleration in collapsing magnetic neutral sheets and anomalous abundances of solar flare particles", 1981ApJS...47..87M [ADS](#)
- Mullan, D. J., "X-Rays from Stars", 1981IrAJ...15..147M [ADS](#)
- Mullan, D. J., "The solar "constant", 1981IrAJ...15..143M [ADS](#)
- Mullan, D. J., "Enhanced emission of Alfvén waves from sunspots during proton flares", 1981SoPh...70..381M [ADS](#)
- Mullan, D. J.: 1981d, *Theoretical studies of the RS cannum venaticorum stars*, Annual Report, 1 Jan. - 31 Dec. 1980 Delaware Univ., Newark. 1981udnw.rept.....M [ADS](#)
- Mullan, D. J., "The Origin of Cosmic Rays", 1981IrAJ...15..9M [ADS](#)
- Mullan, D. J. & Stencel, R. E., "Are Discrepant Asymmetry Red Giants Necessarily Hybrid Stars?", 1981BAAS...13..886M [ADS](#)
- Mullan, D. J. & Stencel, R. E., "Variable mass loss and magnetic topology in cool giant stars.", 1981BAAS...13..547M [ADS](#)
- Cram, L. E. & Mullan, D. J., "Large Macroturbulence in the Chromosphere of an RS CVn Star", 1981BAAS...13..514C [ADS](#)
- Mullan, D. J.: 1981, *Obs. of Discr Chromo Em Line Prof Asymm & Var Asymm in UV Spectra of Late-Type Stars*, IUE Proposal ID MGDDM 1981iue..prop..795M [ADS](#)

- Stencel, R. E., Mullan, D. J., Basri, G. S., & Linsky, J. L., "High resolution flux profiles of the Mg II h & k lines in evolved F8 to M5 stars.", 1981NASCP2171..317S [ADS](#)
- Mullan, D. J. & Levine, R. H., "Pre-Acceleration in Collapsing Magnetic Neutral Sheets and Composition Anomalies among Solar Flare Particles", 1981ICRC....3..410M [ADS](#)
- Mullan, D. J., "Possible Evidence for Attenuation of AN MHD Shock by a Magnetic Neutral Sheet in the Solar Corona", 1981ICRC....3..51M [ADS](#)
- Mullan, D. J., "Mass loss from warm giants - Magnetic effects", 1981ASSL...88..355M [ADS](#)
- Stencel, R. E., Mullan, D. J., Linsky, J. L., Basri, G. S., & Worden, S. P., "The outer atmospheres of cool stars. VII. High resolution, absolute flux profiles of the MG II H and K lines in stars of spectral types F8 to M5.", 1980ApJS...44..383S [ADS](#)
- Steinolfson, R. S. & Mullan, D. J., "Magnetohydrodynamic shock propagation in the vicinity of a magnetic neutral sheet", 1980ApJ...241..1186S [ADS](#)
- Ahmad, I. A. & Mullan, D. J., "Mass Loss from Coronal Holes Driven by Magnetic Reconnection", 1980BAAS...12..918A [ADS](#)
- Mullan, D. & Stencel, R., "A Search for Mg II Asymmetry Variations Among Cool Evolved Stars", 1980BAAS...12..801M [ADS](#)
- Stencel, R. E. & Mullan, D. J., "Addendum - Detection of Mass Loss in Stellar Chromospheres", 1980ApJ...240..718S [ADS](#)
- Stencel, R. E. & Mullan, D. J., "Detection of mass loss in stellar chromospheres.", 1980ApJ...238..221S [ADS](#)
- Mullan, D. J., "Stochastic acceleration of solar cosmic rays in an expanding coronal magnetic bottle", 1980ApJ...237..244M [ADS](#)
- Mullan, D. J.: 1980b, Variable Mass Loss Among Stars at or Near the Supersonic Transition Locus, IUE Proposal ID MLCDM 1980iue..prop..483M [ADS](#)
- Mullan, D. J.: 1980c, Mass loss from warm giants: Magnetic effects 1980STIN...8034322M [ADS](#)
- Mullan, D. J., "Non-Thermal Stellar Winds in Cool Stars", 1980SAOSR.389..189M [ADS](#)
- Mullan, D. J. & Steinolfson, R. S., "Coronal Propagation of a Magnetohydrodynamic Shock in the Vicinity of a Magnetic Neutral Sheet", 1980IAUS...91..323M [ADS](#)
- Mullan, D. J., "Can flare stars be the source of galactic cosmic rays?", 1979ApJ...234..588M [ADS](#)
- Cram, L. E. & Mullan, D. J., "Model chromospheres of flare stars.I. Balmer-line profiles.", 1979ApJ...234..579C [ADS](#)
- Mullan, D. J., "Long-lived sources of solar cosmic rays", 1979AIPC...56..163M [ADS](#)
- Mullan, D. J., "Heating of Chromospheres and Coronae in Cool Stars", 1979IrAJ...14..73M [ADS](#)
- Mullan, D. J., "On the detectability of starspot magnetic fields.", 1979ApJ...231..152M [ADS](#)
- Mullan, D. J. & Schatten, K. H., "Motion of solar cosmic rays in the coronal magnetic field.", 1979SoPh...62..153M [ADS](#)
- Mullan, D. J.: 1979, Observable Influence of Stellar Winds on Late-Type Chromospheres, IUE Proposal ID CCBDM 1979iue..prop..224M [ADS](#)
- Mullan, D. J. & Kent, D. W., "Can Solar Flares BE the Cause of Ancient Catastrophes?", 1979ICRC....5..323M [ADS](#)
- Mullan, D. J., "Proton Flares and the Missing Energy in Sunspots", 1979ICRC....5..22M [ADS](#)
- Steinolfson, R. S. & Mullan, D. J., "Coronal Propagation of AN MHD Shock in the Vicinity of a Magnetic Neutral Sheet", 1979ICRC....5..15S [ADS](#)
- Mullan, D. J. & Owens, A. J., "Pre-Main Sequence Stars and Galactic Cosmic Rays", 1979ICRC....2..98M [ADS](#)
- Mullan, D. J., "Can Flare Stars BE the Source of Galactic Cosmic Rays?", 1979ICRC....2..92M [ADS](#)
- Mullan, D. J., "Supersonic stellar winds and rapid mass loss in cool stars.", 1978ApJ...226..151M [ADS](#)
- Schatten, K. H. & Mullan, D. J., "Fast azimuthal transport of solar cosmic rays via a coronal magnetic bottle", 1977JGR....82.5609S [ADS](#)
- Mullan, D. J., "Dust from the sun?", 1977A&A...61..369M [ADS](#)
- Mullan, D. J., "Solar and stellar flares.", 1977SoPh...54..183M [ADS](#)
- Mullan, D. J., "Rapid Mass Loss and Supersonic Stellar Winds.", 1977BAAS...9..649M [ADS](#)
- Mullan, D. J. & Tarter, C. B., "Influence of stellar flare X-rays on the optical light curve.", 1977ApJ...212..179M [ADS](#)
- Mullan, D. J., "A model for nonmonotonic optical light curves of stellar flares.", 1977ApJ...212..171M [ADS](#)
- Mullan, D. J., "Heterogeneity of the solar atmosphere.", 1977oehs.conf..377M [ADS](#)
- Mullan, D. J., "Mean colors of stellar flare continuum.", 1976ApJ...210..702M [ADS](#)
- Mullan, D. J., "Properties of minimum-flux coronae in dwarfs and giants.", 1976ApJ...209..171M [ADS](#)
- Mullan, D. J., "Second-stage acceleration in solar flares.", 1976A&A...52..305M [ADS](#)
- Mullan, D. J., "Flare Stars: II. Physical Characteristics of the Flares", 1976IrAJ...12..277M [ADS](#)
- Mullan, D. J., "Flares on white dwarfs and gamma-ray bursts.", 1976ApJ...208..199M [ADS](#)
- Mullan, D. J., "Thermal X-rays from stellar flares: reevaluation of scaling from solar flares.", 1976ApJ...207..289M [ADS](#)
- Mullan, D. J., "Erratum: Sympathetic Stellar Flares and Electron Precipitation as Probes of Coronal Structure in Flare Stars", 1976ApJ...206..672M [ADS](#)
- Mullan, D. J., "Flare Stars: Note added in Proof", 1976IrAJ...12..231M [ADS](#)
- Mullan, D. J., "Flare Stars: I. Physical Characteristics", 1976IrAJ...12..161M [ADS](#)
- Mullan, D. J., "Properties of Minimum Flux Coronae in Dwarfs and Giants", 1976BAAS...8..307M [ADS](#)
- Mullan, D. J. & Bell, R. A., "Possible evidence for the occurrence of magnetic fields of order 10 kilogauss in the red dwarf star BY Draconis.", 1976ApJ...204..818M [ADS](#)
- Mullan, D. J., "Sympathetic stellar flares and electron precipitation as probes of coronal structure in flare stars.", 1976ApJ...204..530M [ADS](#)
- Mullan, D. J., "A Comment on 'A Comment on the Damping of Magnetohydrodynamic Waves' by Bibhas R. De", 1976Ap&SS..44L..9M [ADS](#)
- Mullan, D. J., "Polarized light from lower main-sequence stars: is it due to synchrotron emission?", 1975ApJ...201..630M [ADS](#)
- Mullan, D. J., "E. M. Lindsay, An All-Ireland Astronomer", 1975IrAJ...12..110M [ADS](#)
- Mullan, D. J., "Are stellar flares energized by the missing energy in starspots?", 1975ApJ...200..641M [ADS](#)
- Mullan, D. J., "Magnetic fields in dMe stars: how effective is the battery mechanism?", 1975PASP...87..455M [ADS](#)
- Mullan, D. J., "On the possibility of magnetic starspots on the primary components of W Ursae Majoris type binaries.", 1975ApJ...198..563M [ADS](#)
- Mullan, D. J., "Magnetic fields and dense chromospheres in dMe stars.", 1975A&A...40..41M [ADS](#)
- Mullan, D. J., "The Relation Between Flares and the Missing Energy in Spots", 1975BAAS...7S.362M [ADS](#)
- Mullan, D. J. & Bell, R. A., "Broad-band Polarization Expected in Magnetic M Dwarfs.", 1975BAAS...7..271M [ADS](#)
- Mullan, D. J., "Magnetic fields in the sun.", 1974FrInJ.298..341M [ADS](#)
- Mullan, D. J., "Is Magnetic Convection Important in the Sun?", 1974SoPh...38..9M [ADS](#)
- Mullan, D. J., "Starspots on flare stars.", 1974ApJ...192..149M [ADS](#)
- Mullan, D. J., "Magnetic Fields on Spotted Red Dwarfs.", 1974BAAS...6..333M [ADS](#)
- Mullan, D. J., "Sunspot Models with Alfvén Wave Emission", 1974ApJ...187..621M [ADS](#)
- Mullan, D. J., "Sunspots, Supergranules, and the Depth of the Solar Convection Zone", 1973ApJ...186.1059M [ADS](#)
- Mullan, D. J., "Comments on Papers by P. R. Wilson Concerning Sunspots", 1973SoPh...32..441M [ADS](#)
- Mullan, D. J., "Flare Triggering by Coherent Oscillations", 1973ApJ...185..353M [ADS](#)
- Mullan, D. J., "Correction of Sunspot Intensities for Scattering Light", 1973SoPh...32..65M [ADS](#)
- Mullan, D. J., "Fast Rotation of Metal-poor Stars", 1973A&A...27..379M [ADS](#)
- Mullan, D. J., "Earthquake Waves and the Geomagnetic Dynamo", 1973Sci...181..553M [ADS](#)
- Mullan, D. J. & Yun, H. S., "Can Oscillations Grow in a Sunspot Umbra?", 1973SoPh...30..83M [ADS](#)
- Mullan, D. J., "On the Possibility of Constructing a Radiative Sunspot Model in Magnetohydrostatic Equilibrium", 1973SoPh...30..75M [ADS](#)
- Mullan, D. J., "Are Penumbral Filaments Convection Rolls?", 1973A&A...24..103M [ADS](#)
- Mullan, D. J., "Convection in A Stars: Suppressed in Magnetic Stars?", 1973IrAJ...11..32M [ADS](#)
- Mullan, D. J. & Wyller, A. A., "Seven Color Photometry of Umbral Cores with the Bartol Coudé Telescope.", 1973BAAS...5..20M [ADS](#)
- Mullan, D. J., "Transition from Shallow to Deep Convection Zones in Stars", 1972ApL...12..13M [ADS](#)
- Mullan, D. J., "Thin Solar Convection Zone and Sunspots", 1972NPhS..235..58M [ADS](#)
- Andrews, A. D. & Mullan, D. J., "New Variable Stars in the Large Magellanic Clouds", 1971IrAJ...10..149A [ADS](#)
- Mullan, D. J., "Sequences for Binocular Variables", 1971JBAA...81..454M [ADS](#)

- Mullan, D. J., "Books Reviewed or Received: "Radio Astronomy and the Galactic System", edited by H. van Woerden", 1971IrAJ...10..114M [ADS](#)
- Mullan, D. J., "Books Reviewed or Received: "Cosmic Gamma Rays" by F. W. Stecker", 1971IrAJ...10..113M [ADS](#)
- Mullan, D. J., "News and Comments: Possible Identifications of Molecular Helium in White Dwarfs", 1971IrAJ...10..25M [ADS](#)
- Mullan, D. J., "Effects of Rotation on Solar Convection: Cyclones in the Solar Atmosphere", 1971IrAJ...10..12M [ADS](#)
- Mullan, D. J., "The Space Between the Stars", 1971IrAJ...10....1M [ADS](#)
- Mullan, D. J., "Cellular convection in model stellar envelopes", 1971MNRAS.154..467M [ADS](#)
- Mullan, D. J., "The structure of transverse hydromagnetic shocks in regions of low ionization", 1971MNRAS.153..145M [ADS](#)
- Mullan, D. J., "Book Review: "Stellar Physics" by Hong-Yee Chiu", 1971IrAJ...10..151M [ADS](#)
- Mullan, D. J., "Cellular convection in stellar envelopes.", 1971IrAJ....9..310M [ADS](#)
- Mullan, D. J., "Cellular Convection in Stellar Envelopes", 1970IrAJ....9..310M [ADS](#)
- Mullan, D. J., "The Interstellar Medium as a Detector of Cosmic Rays", 1970IrAJ....9..250M [ADS](#)
- Mullan, D. J., "Identification of Parkes Radio Sources on ADH plates", 1970IrAJ....9..246M [ADS](#)
- Gershberg, R. E. & Mullan, D. J.: 1970, Flares of red dwarf stars. 1970frds.book.....G [ADS](#)
- Mullan, D. J.: 1969a, "The structure of hydromagnetic shocks in regions of very low ionization.", *Ph.D. thesis*, - 1969PhDT.....156M [ADS](#)
- Mullan, D. J.: 1969b, "The Structure of Hydromagnetic Shocks in Regions of Very Low Ionization.", *Ph.D. thesis*, University of Maryland, College Park 1969PhDT.....10M [ADS](#)
- Lindsay, E. M. & Mullan, D. J., "First List of Emission Objects in the LMC", 1963IrAJ....6..51L [ADS](#)