

- 2016ARA&A..54..529B 2016/09 cited: 953
The Galaxy in Context: Structural, Kinematic, and Integrated Properties
 Bland-Hawthorn, Joss; Gerhard, Ortwin
- 2012MNRAS.421..872C 2012/03 cited: 513
The Sydney-AAO Multi-object Integral field spectrograph
 Croom, Scott M.; Lawrence, Jon S.; Bland-Hawthorn, Joss *and 22 more*
- 2015MNRAS.449.2604D 2015/05 cited: 508
The GALAH survey: scientific motivation
 De Silva, G. M.; Freeman, K. C.; Bland-Hawthorn, J. *and 44 more*
- 2015MNRAS.447.2857B 2015/03 cited: 351
The SAMI Galaxy Survey: instrument specification and target selection
 Bryant, J. J.; Owers, M. S.; Robotham, A. S. G. *and 55 more*
- 2016ApJS..224....2H 2016/05 cited: 216
The K2 Ecliptic Plane Input Catalog (EPIC) and Stellar Classifications of 138,600 Targets in Campaigns 1-8
 Huber, Daniel; Bryson, Stephen T.; Haas, Michael R.; Barclay, Thomas; Barentsen, Geert; Howell, Steve B.; Sharma, Sanjib; Stello, Dennis; Thompson, Susan E. *show less*
- 2014OExpr..22.1036L 2014/01 cited: 215
Mode-selective photonic lanterns for space-division multiplexing
 Leon-Saval, Sergio G.; Fontaine, Nicolas K.; Salazar-Gil, Joel R.; Ercan, Burcu; Ryf, Roland; Bland-Hawthorn, Joss *show less*
- 2013ApJ...765L..41S 2013/03 cited: 190
Asteroseismic Classification of Stellar Populations among 13,000 Red Giants Observed by Kepler
 Stello, Dennis; Huber, Daniel; Bedding, Timothy R.; Benomar, Othman; Bildsten, Lars; Elsworth, Yvonne P.; Gilliland, Ronald L.; Mosser, Benoît; Paxton, Bill; White, Timothy R. *show less*
- 2012ApJ...760...32H 2012/11 cited: 182
Fundamental Properties of Stars Using Asteroseismology from Kepler and CoRoT and Interferometry from the CHARA Array
 Huber, D.; Ireland, M. J.; Bedding, T. R. *and 37 more*
- 2012MNRAS.422.1812H 2012/05 cited: 177
Compact continuum source finding for next generation radio surveys
 Hancock, P. J.; Murphy, T.; Gaensler, B. M.; Hopkins, A.; Curran, J. R. *show less*
- 2017ApJ...844..102H 2017/08 cited: 165
Asteroseismology and Gaia: Testing Scaling Relations Using 2200 Kepler Stars with TGAS Parallaxes
 Huber, Daniel; Zinn, Joel; Bojsen-Hansen, Mathias *and 17 more*
- 2014ApJ...794..59K 2014/10 cited: 165
On the Shoulders of Giants: Properties of the Stellar Halo and the Milky Way Mass Distribution
 Kafle, Prajwal Raj; Sharma, Sanjib; Lewis, Geraint F.; Bland-Hawthorn, Joss *show less*
- 2013RvMP..85..809K 2013/04 cited: 160
Pregalactic metal enrichment: The chemical signatures of the first stars
 Karlsson, Torgny; Bromm, Volker; Bland-Hawthorn, Joss
- 2018MNRAS.475.1427B 2018/04 cited: 159
The SURvey for Pulsars and Extragalactic Radio Bursts - II. New FRB discoveries and their follow-up
 Bhandari, S.; Keane, E. F.; Barr, E. D. *and 172 more*
- 2012Natur.484..220N 2012/04 cited: 157
A close halo of large transparent grains around extreme red giant stars
 Norris, Barnaby R. M.; Tuthill, Peter G.; Ireland, Michael J.; Lacour, Sylvestre; Zijlstra, Albert A.; Lykou, Foteini; Evans, Thomas M.; Stewart, Paul; Bedding, Timothy R. *show less*
- 2019MNRAS.486.1167B 2019/06 cited: 145
The GALAH survey and Gaia DR2: dissecting the stellar disc's phase space by age, action, chemistry, and location
 Bland-Hawthorn, Joss; Sharma, Sanjib; Tepper-Garcia, Thor *and 24 more*
- 2012ApJ...761...98K 2012/12 cited: 145
Kinematics of the Stellar Halo and the Mass Distribution of the Milky Way Using Blue Horizontal Branch Stars
 Kafle, Prajwal R.; Sharma, Sanjib; Lewis, Geraint F.; Bland-Hawthorn, Joss *show less*
- 2017ARA&A..55..213S 2017/08 cited: 142
Markov Chain Monte Carlo Methods for Bayesian Data Analysis in Astronomy
 Sharma, Sanjib
- 2018ApJS..236..42Y 2018/06 cited: 140
Asteroseismology of 16,000 Kepler Red Giants: Global Oscillation Parameters, Masses, and Radii
 Yu, Jie; Huber, Daniel; Bedding, Timothy R.; Stello, Dennis; Hon, Marc; Murphy, Simon J.; Khanna, Shourya *show less*
- 2015MNRAS.446.1567A 2015/01 cited: 135

The SAMI Galaxy Survey: Early Data Release

Allen, J. T.; Croom, S. M.; Konstantopoulos, I. S. and 45 more

2018ApJ..858L..15D 2018/05 cited: 132

A Turnover in the Radio Light Curve of GW170817

Dobie, Dougal; Kaplan, David L.; Murphy, Tara; Lenc, Emil; Mooley, Kunal P.; Lynch, Christene; Corsi, Alessandra; Frail, Dale; Kasliwal, Mansi; Hallinan, Gregg show less

2016ApJ..822...15S 2016/05 cited: 132

Stellar Population Synthesis Based Modeling of the Milky Way Using Asteroseismology of 13,000 Kepler Red Giants

Sharma, Sanjib; Stello, Dennis; Bland-Hawthorn, Joss; Huber, Daniel; Bedding, Timothy R. show less

2013PhLB..722..130K 2013/05 cited: 124

Electroweak vacuum (in)stability in an inflationary universe

Kobakhidze, Archil; Spencer-Smith, Alexander

2017MNRAS.471.2254Z 2017/09 cited: 121

A blinded determination of H_0 from low-redshift Type Ia supernovae, calibrated by Cepheid variables

Zhang, Bonnie R.; Childress, Michael J.; Davis, Tamara M.; Karpenka, Natalia V.; Lidman, Chris; Schmidt, Brian P.; Smith, Mathew show less

2013ApJS..205....1P 2013/03 cited: 121

The Coordinated Radio and Infrared Survey for High-mass Star Formation. II. Source Catalog

Purcell, C. R.; Hoare, M. G.; Cotton, W. D. and 27 more

2014MNRAS.445.2677S 2014/12 cited: 119

The 6dF Galaxy Survey: peculiar velocity field and cosmography

Springob, Christopher M.; Magoulas, Christina; Colless, Matthew; Mould, Jeremy; Erdoğdu, Pirin; Jones, D. Heath; Lucey, John R.; Campbell, Lachlan; Fluke, Christopher J. show less

2018MNRAS.473.4436J 2018/02 cited: 117

Spectral properties of 441 radio pulsars

Jankowski, F.; van Straten, W.; Keane, E. F.; Bailes, M.; Barr, E. D.; Johnston, S.; Kerr, M. show less

2015MNRAS.446.2144T 2015/01 cited: 117

Galaxy And Mass Assembly (GAMA): deconstructing bimodality - I. Red ones and blue ones

Taylor, Edward N.; Hopkins, Andrew M.; Baldry, Ivan K. and 18 more

2017MNRAS.468.3746C 2017/07 cited: 116

The first interferometric detections of fast radio bursts

Caleb, M.; Flynn, C.; Bailes, M. and 15 more

2017RvMPP..1....5M 2017/12 cited: 109

Coherent emission mechanisms in astrophysical plasmas

Melrose, D. B.

2013MNRAS.433.1262W 2013/08 cited: 109

Interferometric radii of bright Kepler stars with the CHARA Array: Θ Cygni and 16 Cygni A and B

White, T. R.; Huber, D.; Maestro, V. and 18 more

2014ApJ...793...51S 2014/09 cited: 108

Kinematic Modeling of the Milky Way Using the RAVE and GCS Stellar Surveys

Sharma, S.; Bland-Hawthorn, J.; Binney, J. and 19 more

2017ApJ..835..104V 2017/01 cited: 105

The SAMI Galaxy Survey: Revisiting Galaxy Classification through High-order Stellar Kinematics

van de Sande, Jesse; Bland-Hawthorn, Joss; Fogarty, Lisa M. R. and 36 more

2017ApJ..836..174C 2017/02 cited: 101

Extragalactic Peaked-spectrum Radio Sources at Low Frequencies

Callingham, J. R.; Ekers, R. D.; Gaensler, B. M. and 21 more

2016Natur.529..364S 2016/01 cited: 100

A prevalence of dynamo-generated magnetic fields in the cores of intermediate-mass stars

Stello, Dennis; Cantiello, Matteo; Fuller, Jim; Huber, Daniel; García, Rafael A.; Bedding, Timothy R.; Bildsten, Lars; Silva Aguirre, Victor show less

2014MNRAS.438..869B 2014/02 cited: 95

Focal ratio degradation in lightly fused hexabundles

Bryant, J. J.; Bland-Hawthorn, J.; Fogarty, L. M. R.; Lawrence, J. S.; Croom, S. M. show less

2013MNRAS.433.2764G 2013/08 cited: 94

Galaxy And Mass Assembly: evolution of the H α luminosity function and star formation rate density up to $z < 0.35$

Gunawardhana, M. L. P.; Hopkins, A. M.; Bland-Hawthorn, J. and 28 more

2019MNRAS.485.2380M 2019/05 cited: 91

Gaia-derived luminosities of Kepler A/F stars and the pulsator fraction across the δ Scuti instability strip

Murphy, Simon J.; Hey, Daniel; Van Reeth, Timothy; Bedding, Timothy R. show less

- 2016A&A...593L...8M 2016/09 cited: 91
The Close AGN Reference Survey (CARS). Mrk 1018 returns to the shadows after 30 years as a Seyfert 1
 McElroy, R. E.; Husemann, B.; Croom, S. M. *and 10 more*
- 2014MNRAS.438..796S 2014/02 cited: 91
The local radio-galaxy population at 20 GHz
 Sadler, Elaine M.; Ekers, Ronald D.; Mahony, Elizabeth K.; Mauch, Tom; Murphy, Tara *show less*
- 2013PASA...30....6M 2013/02 cited: 91
VAST: An ASKAP Survey for Variables and Slow Transients
 Murphy, Tara; Chatterjee, Shami; Kaplan, David L. *and 36 more*
- 2020PhRvD.102k5013B 2020/12 cited: 89
Light new physics in XENON1T
 BĂhm, C  line; Cerde  o, David G.; Fairbairn, Malcolm; Machado, Pedro A. N.; Vincent, Aaron C. *show less*
- 2015ApJ...809L...3S 2015/08 cited: 87
Oscillating Red Giants Observed during Campaign 1 of the Kepler K2 Mission: New Prospects for Galactic Archaeology
 Stello, Dennis; Huber, Daniel; Sharma, Sanjib *and 21 more*
- 2012MNRAS.425..979H 2012/09 cited: 87
BLOBCAT: software to catalogue flood-filled blobs in radio images of total intensity and linear polarization
 Hales, C. A.; Murphy, T.; Curran, J. R.; Middelberg, E.; Gaensler, B. M.; Norris, R. P. *show less*
- 2013ApJ...762...72T 2013/01 cited: 86
The Cosmic History of the Spin of Dark Matter Halos within the Large-scale Structure
 Trowland, Holly E.; Lewis, Geraint F.; Bland-Hawthorn, Joss
- 2018MNRAS.474.4322M 2018/03 cited: 84
Finding binaries from phase modulation of pulsating stars with Kepler: V. Orbital parameters, with eccentricity and mass-ratio distributions of 341 new binaries
 Murphy, Simon J.; Moe, Maxwell; Kurtz, Donald W. *and 3 more*
- 2012MNRAS.423.3679W 2012/07 cited: 84
Galaxy And Mass Assembly (GAMA): galaxy environments and star formation rate variations
 Wijsenhe, D. B.; Hopkins, A. M.; Brough, S. *and 28 more*
- 2012MNRAS.426.1972P 2012/11 cited: 83
The H₂O Southern Galactic Plane Survey: NH₃ (1,1) and (2,2) catalogues
 Purcell, C. R.; Longmore, S. N.; Walsh, A. J. *and 19 more*
- 2018MNRAS.473.2004S 2018/01 cited: 81
The TESS-HERMES survey data release 1: high-resolution spectroscopy of the TESS southern continuous viewing zone
 Sharma, Sanjib; Stello, Dennis; Buder, Sven *and 22 more*
- 2014MNRAS.441.2515M 2014/07 cited: 81
Finding binaries among Kepler pulsating stars from phase modulation of their pulsations
 Murphy, Simon J.; Bedding, Timothy R.; Shibahashi, Hiromoto; Kurtz, Donald W.; Kjeldsen, Hans *show less*
- 2018A&A...618A..24V 2018/10 cited: 78
Sensitivity of gravito-inertial modes to differential rotation in intermediate-mass main-sequence stars
 Van Reeth, T.; Momberg, J. S. G.; Mathis, S. *and 9 more*
- 2015ApJ...807..154B 2015/07 cited: 76
Ultrafaint Dwarf Galaxies—the Lowest-mass Relics from Before Reionization
 Bland-Hawthorn, Joss; Sutherland, Ralph; Webster, David
- 2015MNRAS.446.2186M 2015/01 cited: 74
IFU observations of luminous type II AGN - I. Evidence for ubiquitous winds
 McElroy, Rebecca; Croom, Scott M.; Pracy, Michael; Sharp, Rob; Ho, I. -Ting; Medling, Anne M. *show less*
- 2014GeoRL..41.4685F 2014/07 cited: 74
New constraints on atmospheric CO₂ concentration for the Phanerozoic
 Franks, Peter J.; Royer, Dana L.; Beerling, David J.; Van de Water, Peter K.; Cantrill, David J.; Barbour, Margaret M.; Berry, Joseph A. *show less*
- 2012ApJ...748...78K 2012/04 cited: 74
Mapping Growth and Gravity with Robust Redshift Space Distortions
 Kwan, Juliana; Lewis, Geraint F.; Linder, Eric V.
- 2013PhRvL.110b1302B 2013/01 cited: 69
Antilensing: The Bright Side of Voids
 Bolejko, Krzysztof; Clarkson, Chris; Maartens, Roy; Bacon, David; Meures, Nikolai; Beynon, Emma *show less*
- 2012GeoRL..3916608E 2012/08 cited: 69
An avenue of eddies: Quantifying the biophysical properties of mesoscale eddies in the Tasman Sea
 Everett, J. D.; Baird, M. E.; Oke, P. R.; Suthers, I. M. *show less*

- 2018MNRAS.481.2299S 2018/12 cited: 67
The SAMI Galaxy Survey: Data Release Two with absorption-line physics value-added products
 Scott, Nicholas; van de Sande, Jesse; Croom, Scott M. *and 34 more*
- 2016MNRAS.459.1201M 2016/06 cited: 67
Near-uniform internal rotation of the main-sequence γ Doradus pulsator KIC 7661054
 Murphy, Simon J.; Fossati, Luca; Bedding, Timothy R.; Saio, Hideyuki; Kurtz, Donald W.; Grassitelli, Luca; Wang, Edric S.
show less
- 2016ApJ...830...38L 2016/10 cited: 67
Low-frequency Observations of Linearly Polarized Structures in the Interstellar Medium near the South Galactic Pole
 Lenc, E.; Gaensler, B. M.; Sun, X. H. *and 76 more*
- 2015ApJ...809..168C 2015/08 cited: 67
Broadband Spectral Modeling of the Extreme Gigahertz-peaked Spectrum Radio Source PKS B0008-421
 Callingham, J. R.; Gaensler, B. M.; Ekers, R. D. *and 40 more*
- 2019JCAP..01..043B 2019/01 cited: 66
How high is the neutrino floor?
 Böhm, C.; Cerdeño, D. G.; Machado, P. A. N.; Olivares-Del Campo, A.; Reid, E. *show less*
- 2013ApJ...778...58B 2013/11 cited: 66
Fossil Imprint of a Powerful Flare at the Galactic Center along the Magellanic Stream
 Bland-Hawthorn, J.; Maloney, Philip R.; Sutherland, Ralph S.; Madsen, G. J. *show less*
- 2012ApJ...747L..13F 2012/03 cited: 66
A Young Massive Stellar Population around the Intermediate-mass Black Hole ESO 243-49 HLX-1
 Farrell, S. A.; Servillat, M.; Pforr, J. *and 9 more*
- 2017MNRAS.472.2833S 2017/12 cited: 65
The SAMI Galaxy Survey: global stellar populations on the size-mass plane
 Scott, Nicholas; Brough, S.; Croom, Scott M. *and 20 more*
- 2016MNRAS.460....2P 2016/07 cited: 64
GAMA/WiggleZ: the 1.4 GHz radio luminosity functions of high- and low-excitation radio galaxies and their redshift evolution to $z = 0.75$
 Pracy, Michael B.; Ching, John H. Y.; Sadler, Elaine M. *and 17 more*
- 2019MNRAS.484..869V 2019/03 cited: 63
The SAMI Galaxy Survey: comparing 3D spectroscopic observations with galaxies from cosmological hydrodynamical simulations
 van de Sande, Jesse; Lagos, Claudia D. P.; Welker, Charlotte *and 19 more*
- 2017PASA...34...45B 2017/09 cited: 63
The UTMOST: A Hybrid Digital Signal Processor Transforms the Molonglo Observatory Synthesis Telescope
 Bailes, M.; Jameson, A.; Flynn, C. *and 20 more*
- 2017MNRAS.464..121S 2017/01 cited: 62
The SAMI Galaxy Survey: spatially resolving the environmental quenching of star formation in GAMA galaxies
 Schaefer, A. L.; Croom, S. M.; Allen, J. T. *and 32 more*
- 2017ApJ...835...83S 2017/01 cited: 62
The K2 Galactic Archaeology Program Data Release. I. Asteroseismic Results from Campaign 1
 Stello, Dennis; Zinn, Joel; Elsworth, Yvonne *and 11 more*
- 2014MNRAS.443..485F 2014/09 cited: 62
The SAMI Pilot Survey: the kinematic morphology-density relation in Abell 85, Abell 168 and Abell 2399
 Fogarty, L. M. R.; Scott, Nicholas; Owers, Matt S. *and 17 more*
- 2012ApJ...757...38B 2012/09 cited: 62
Limits on Prompt, Dispersed Radio Pulses from Gamma-Ray Bursts
 Bannister, K. W.; Murphy, T.; Gaensler, B. M. *and 1 more*
- 2016MNRAS.463.2997M 2016/12 cited: 61
The Lockman Hole project: LOFAR observations and spectral index properties of low-frequency radio sources
 Mahony, E. K.; Morganti, R.; Prandoni, I. *and 21 more*
- 2015GeoRL..42.3707L 2015/05 cited: 61
Real-time imaging of density ducts between the plasmasphere and ionosphere
 Loi, Shyeh Tjing; Murphy, Tara; Cairns, Iver H. *and 38 more*
- 2020MNRAS.491.3586L 2020/01 cited: 60
Gravity-mode period spacings and near-core rotation rates of 611 γ Doradus stars with Kepler
 Li, Gang; Van Reeth, Timothy; Bedding, Timothy R. *and 4 more*

PAndAS in the Mist: The Stellar and Gaseous Mass within the Halos of M31 and M33Lewis, Geraint F.; Braun, Robert; McConnachie, Alan W. *and 12 more*

2021MNRAS.507.5882S

2021/11 cited: 52

Chemical enrichment and radial migration in the Galactic disc - the origin of the [aFe] double sequence

Sharma, Sanjib; Hayden, Michael R.; Bland-Hawthorn, Joss

2017MNRAS.472.1272V

2017/12 cited: 52

The SAMI Galaxy Survey: revising the fraction of slow rotators in IFS galaxy surveysvan de Sande, Jesse; Bland-Hawthorn, Joss; Brough, Sarah *and 15 more*

2014ApJ...788L..10S

2014/06 cited: 52

Non-radial Oscillations in M-giant Semi-regular Variables: Stellar Models and Kepler ObservationsStello, Dennis; Compton, Douglas L.; Bedding, Timothy R. *and 6 more*

2016MNRAS.456.1394C

2016/02 cited: 51

Investigating dark matter substructure with pulsar timing - I. Constraints on ultracompact minihaloes

Clark, Hamish A.; Lewis, Geraint F.; Scott, Pat

2013ApJ...764..162O

2013/02 cited: 51

Thermal Plasma in the Giant Lobes of the Radio Galaxy Centaurus AO'Sullivan, S. P.; Feain, I. J.; McClure-Griffiths, N. M. *and 7 more*

2021MNRAS.504.3168B

2021/07 cited: 50

Galactic seismology: the evolving 'phase spiral' after the Sagittarius dwarf impact

Bland-Hawthorn, Joss; Tepper-García, Thor

2018MNRAS.478.2835L

2018/08 cited: 50

An all-sky survey of circular polarization at 200 MHzLenc, Emil; Murphy, Tara; Lynch, C. R. *and 2 more*