

Brad K Gibson

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297
papers

20,456
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133
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304
ext. papers

21,576
ext. citations

5.1
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6.02
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 297 | Final Results from the Hubble Space Telescope Key Project to Measure the Hubble Constant. <i>Astrophysical Journal</i> , 2001 , 553, 47-72 | 4.7 | 2565 |
| 296 | The Radial Velocity Experiment (RAVE): First Data Release. <i>Astronomical Journal</i> , 2006 , 132, 1645-1668 | 4.9 | 634 |
| 295 | The RAVE survey: constraining the local Galactic escape speed. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007 , 379, 755-772 | 4.3 | 466 |
| 294 | The Hubble Space Telescope Key Project on the Extragalactic Distance Scale. XXVIII. Combining the Constraints on the Hubble Constant. <i>Astrophysical Journal</i> , 2000 , 529, 786-794 | 4.7 | 461 |
| 293 | The HI Parkes All Sky Survey: southern observations, calibration and robust imaging. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001 , 322, 486-498 | 4.3 | 432 |
| 292 | The HIPASS catalogue - I. Data presentation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004 , 350, 1195-1209 | 4.3 | 417 |
| 291 | The 1000 Brightest HIPASS Galaxies: Hi Properties. <i>Astronomical Journal</i> , 2004 , 128, 16-46 | 4.9 | 359 |
| 290 | THE RADIAL VELOCITY EXPERIMENT (RAVE): FIFTH DATA RELEASE. <i>Astronomical Journal</i> , 2017 , 153, 75 | 4.9 | 334 |
| 289 | The evolution of substructure II. A new identification method. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004 , 351, 399-409 | 4.3 | 322 |
| 288 | The Emergence of the Thick Disk in a Cold Dark Matter Universe. <i>Astrophysical Journal</i> , 2004 , 612, 894-897 | 4.7 | 276 |
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| 286 | The Hubble Space Telescope Key Project on the Extragalactic Distance Scale. XIII. The Metallicity Dependence of the Cepheid Distance Scale. <i>Astrophysical Journal</i> , 1998 , 498, 181-194 | 4.7 | 240 |
| 285 | The galactic habitable zone and the age distribution of complex life in the Milky Way. <i>Science</i> , 2004 , 303, 59-62 | 33.3 | 234 |
| 284 | The Magellanic Stream, High-Velocity Clouds, and the Sculptor Group. <i>Astrophysical Journal</i> , 2003 , 586, 170-194 | 4.7 | 218 |
| 283 | GASS: THE PARKES GALACTIC ALL-SKY SURVEY. I. SURVEY DESCRIPTION, GOALS, AND INITIAL DATA RELEASE. <i>Astrophysical Journal, Supplement Series</i> , 2009 , 181, 398-412 | 8 | 207 |
| 282 | Tidal disruption of the Magellanic Clouds by the Milky Way. <i>Nature</i> , 1998 , 394, 752-754 | 50.4 | 201 |
| 281 | The Hubble Space Telescope Key Project on the Extragalactic Distance Scale. XXVI. The Calibration of Population II Secondary Distance Indicators and the Value of the Hubble Constant. <i>Astrophysical Journal</i> , 2000 , 529, 745-767 | 4.7 | 201 |

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| 280 | The VMC survey. <i>Astronomy and Astrophysics</i> , 2011 , 527, A116 | 5.1 | 201 |
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| 278 | THE RADIAL VELOCITY EXPERIMENT (RAVE): SECOND DATA RELEASE. <i>Astronomical Journal</i> , 2008 , 136, 421-451 | 4.9 | 193 |
| 277 | The wobbly Galaxy: kinematics north and south with RAVE red-clump giants. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 436, 101-121 | 4.3 | 188 |
| 276 | Hierarchical formation of bulgeless galaxies: why outflows have low angular momentum. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 415, 1051-1060 | 4.3 | 188 |
| 275 | The evolution of substructure - III. The outskirts of clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005 , 356, 1327-1332 | 4.3 | 185 |
| 274 | The White Dwarf Cooling Sequence of the Globular Cluster Messier 4. <i>Astrophysical Journal</i> , 2002 , 574, L155-L158 | 4.7 | 185 |
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| 271 | The 1000 Brightest HIPASS Galaxies: The Hi Mass Function and Hi. <i>Astronomical Journal</i> , 2003 , 125, 2842-2858 | 4.9 | 165 |
| 270 | The HIPASS catalogue III. Optical counterparts and isolated dark galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005 , 361, 34-44 | 4.3 | 158 |
| 269 | HALO EXPANSION IN COSMOLOGICAL HYDRO SIMULATIONS: TOWARD A BARYONIC SOLUTION OF THE CUSP/CORE PROBLEM IN MASSIVE SPIRALS. <i>Astrophysical Journal Letters</i> , 2012 , 744, L9 | 7.9 | 156 |
| 268 | HIPASS High-Velocity Clouds: Properties of the Compact and Extended Populations. <i>Astronomical Journal</i> , 2002 , 123, 873-891 | 4.9 | 154 |
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| 266 | H α Emission from High-Velocity Clouds and Their Distances. <i>Astrophysical Journal</i> , 2003 , 597, 948-956 | 4.7 | 144 |
| 265 | A Database of Cepheid Distance Moduli and Tip of the Red Giant Branch, Globular Cluster Luminosity Function, Planetary Nebula Luminosity Function, and Surface Brightness Fluctuation Data Useful for Distance Determinations. <i>Astrophysical Journal, Supplement Series</i> , 2000 , 128, 431-459 | 8 | 143 |
| 264 | MaGICC discs: matching observed galaxy relationships over a wide stellar mass range. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 424, 1275-1283 | 4.3 | 140 |
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| 260 | Hierarchical formation of bulgeless galaxies - II. Redistribution of angular momentum via galactic fountains. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 419, 771-779 | 4-3 | 134 |
| 259 | Internal Alignment of the Halos of Disk Galaxies in Cosmological Hydrodynamic Simulations. <i>Astrophysical Journal</i> , 2005 , 627, L17-L20 | 4-7 | 133 |
| 258 | Spitzer MIPS Infrared Imaging of M31: Further Evidence for a Spiral-Ring Composite Structure. <i>Astrophysical Journal</i> , 2006 , 638, L87-L92 | 4-7 | 132 |
| 257 | The Hubble Space Telescope Key Project on the Extragalactic Distance Scale. XXV. A Recalibration of Cepheid Distances to Type Ia Supernovae and the Value of the Hubble Constant. <i>Astrophysical Journal</i> , 2000 , 529, 723-744 | 4-7 | 129 |
| 256 | The Northern HIPASS catalogue - data presentation, completeness and reliability measures. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006 , 371, 1855-1864 | 4-3 | 127 |
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| 254 | N-body simulations of the Magellanic stream. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006 , 371, 108-120 | 4-3 | 118 |
| 253 | Modelling self-pollution of globular clusters from asymptotic giant branch stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004 , 353, 789-795 | 4-3 | 114 |
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| 246 | KINEMATIC MODELING OF THE MILKY WAY USING THE RAVE AND GCS STELLAR SURVEYS. <i>Astrophysical Journal</i> , 2014 , 793, 51 | 4-7 | 96 |
| 245 | The properties of the local spiral arms from RAVE data: two-dimensional density wave approach. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 425, 2335-2342 | 4-3 | 90 |

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| 243 | APASS LANDOLT-SLOANBVgriPHOTOMETRY OF RAVE STARS. I. DATA, EFFECTIVE TEMPERATURES, AND REDDENINGS. <i>Astronomical Journal</i> , 2014 , 148, 81 | 4.9 | 87 |
| 242 | The Emergence of the Thick Disk in a CDM Universe. II. Colors and Abundance Patterns. <i>Astrophysical Journal</i> , 2005 , 630, 298-308 | 4.7 | 86 |
| 241 | Constraints on the Galactic bar from the Hercules stream as traced with RAVE across the Galaxy. <i>Astronomy and Astrophysics</i> , 2014 , 563, A60 | 5.1 | 86 |
| 240 | OBSERVATIONAL PROPERTIES OF THE METAL-POOR THICK DISK OF THE MILKY WAY AND INSIGHTS INTO ITS ORIGINS. <i>Astrophysical Journal</i> , 2011 , 737, 9 | 4.7 | 85 |
| 239 | The Hubble Space Telescope Key Project on the Extragalactic Distance Scale. XV. A Cepheid Distance to the Fornax Cluster and Its Implications. <i>Astrophysical Journal</i> , 1999 , 515, 29-41 | 4.7 | 83 |
| 238 | The HIPASS catalogue - II. Completeness, reliability and parameter accuracy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004 , 350, 1210-1219 | 4.3 | 82 |
| 237 | Metal Abundances in the Magellanic Stream. <i>Astronomical Journal</i> , 2000 , 120, 1830-1840 | 4.9 | 82 |
| 236 | Estimation of the tilt of the stellar velocity ellipsoid from RAVE and implications for mass models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008 , 391, 793-801 | 4.3 | 81 |
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| 231 | Distance determination for RAVE stars using stellar models. <i>Astronomy and Astrophysics</i> , 2010 , 522, A54 | 5.1 | 72 |
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| 226 | The Chemical Residue of a White Dwarf-Dominated Galactic Halo. <i>Astrophysical Journal</i> , 1997 , 482, 98-103 | 4.7 | 67 |
| 225 | [ITAL]Far Ultraviolet Spectroscopic Explorer[/ITAL] Observations of O [CSC]vi[/CSC] in High-Velocity Clouds. <i>Astrophysical Journal</i> , 2000 , 538, L31-L34 | 4.7 | 67 |
| 224 | A NEW STELLAR CHEMO-KINEMATIC RELATION REVEALS THE MERGER HISTORY OF THE MILKY WAY DISK. <i>Astrophysical Journal Letters</i> , 2014 , 781, L20 | 7.9 | 65 |
| 223 | Local stellar kinematics from RAVE data - I. Local standard of rest. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , no-no | 4.3 | 65 |
| 222 | NICMOS Observations of Extragalactic Cepheids. I. Photometry Database and a Test of the Standard Extinction Law. <i>Astrophysical Journal</i> , 2001 , 549, 721-744 | 4.7 | 65 |
| 221 | THE RAVE CATALOG OF STELLAR ELEMENTAL ABUNDANCES: FIRST DATA RELEASE. <i>Astronomical Journal</i> , 2011 , 142, 193 | 4.9 | 64 |
| 220 | Two Disk Components from a Gas-Rich Disk-Disk Merger. <i>Astrophysical Journal</i> , 2007 , 658, 60-64 | 4.7 | 64 |
| 219 | On the origin of fluorine in the Milky Way. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004 , 354, 575-580 | 4.3 | 64 |
| 218 | The Initial-Final Mass Relationship: Spectroscopy of White Dwarfs in NGC 2099 (M37). <i>Astrophysical Journal</i> , 2005 , 618, L123-L127 | 4.7 | 64 |
| 217 | The VMC survey - V. First results for classical Cepheids. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 424, 1807-1816 | 4.3 | 63 |
| 216 | High-Velocity Cloud Complex C: Galactic Fuel or Galactic Waste?. <i>Astronomical Journal</i> , 2001 , 122, 3280-3292 | 4.7 | 63 |
| 215 | The distribution of metals in cosmological hydrodynamical simulations of dwarf disc galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 425, 969-978 | 4.3 | 62 |
| 214 | Chemical gradients in the Milky Way from the RAVE data. <i>Astronomy and Astrophysics</i> , 2013 , 559, A59 | 5.1 | 61 |
| 213 | Stellar halo constraints on simulated late-type galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004 , 349, 52-56 | 4.3 | 61 |
| 212 | Galactic kinematics with RAVE data. <i>Astronomy and Astrophysics</i> , 2008 , 480, 753-765 | 5.1 | 61 |
| 211 | Distance determination for RAVE stars using stellar models. <i>Astronomy and Astrophysics</i> , 2010 , 511, A90 | 5.1 | 60 |
| 210 | The Galactic Nature of High-Velocity Cloud Complex WB. <i>Astrophysical Journal</i> , 2006 , 638, L97-L100 | 4.7 | 60 |
| 209 | Is the sky falling? Searching for stellar streams in the local Milky Way disc in the CORAVEL and RAVE surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008 , 384, 11-32 | 4.3 | 59 |

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| 208 | Early solar system. Stellar origin of the ^{235}U cosmochronometer and the presolar history of solar system matter. <i>Science</i> , 2014 , 345, 650-3 | 33.3 | 58 |
| 207 | The R-Process Alliance: First Release from the Northern Search for r-process-enhanced Metal-poor Stars in the Galactic Halo. <i>Astrophysical Journal</i> , 2018 , 868, 110 | 4.7 | 58 |
| 206 | In the thick of it: metal-poor disc stars in RAVE. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 436, 3231-3246 | 4.3 | 57 |
| 205 | The RAVE-on Catalog of Stellar Atmospheric Parameters and Chemical Abundances for Chemo-dynamic Studies in the Gaia Era. <i>Astrophysical Journal</i> , 2017 , 840, 59 | 4.7 | 56 |
| 204 | The Extragalactic Distance Scale Key Project. XVIII. The Discovery of Cepheids and a New Distance to NGC 4535 Using the Hubble Space Telescope. <i>Astrophysical Journal</i> , 1999 , 521, 155-178 | 4.7 | 56 |
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| 202 | The Spatial Distribution of the Galactic First Stars. II. Smoothed Particle Hydrodynamics Approach. <i>Astrophysical Journal</i> , 2007 , 661, 10-18 | 4.7 | 55 |
| 201 | The rich are different: evidence from the RAVE survey for stellar radial migration. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 447, 3526-3535 | 4.3 | 54 |
| 200 | A search for new members of the β Pictoris, Tucana-Horologium and χ Cha moving groups in the RAVE data base. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 411, 117-123 | 4.3 | 53 |
| 199 | THE DAWNING OF THE STREAM OF AQUARIUS IN RAVE. <i>Astrophysical Journal</i> , 2011 , 728, 102 | 4.7 | 51 |
| 198 | Disc heating: comparing the Milky Way with cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 415, 2652-2664 | 4.3 | 51 |
| 197 | O and Na abundance patterns in open clusters of the Galactic disk. <i>Astronomy and Astrophysics</i> , 2009 , 500, L25-L28 | 5.1 | 51 |
| 196 | Galactic Halo Stars in Phase Space: A Hint of Satellite Accretion?. <i>Astrophysical Journal</i> , 2003 , 585, L125-L129 | 4.7 | 51 |
| 195 | HIPASS Detection of an Intergalactic Gas Cloud in the NGC 2442 Group. <i>Astrophysical Journal</i> , 2001 , 555, 232-239 | 4.7 | 51 |
| 194 | MaGICC baryon cycle: the enrichment history of simulated disc galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 443, 3809-3818 | 4.3 | 50 |
| 193 | Kinematic groups beyond the solar neighbourhood with RAVE. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2012 , 426, L1-L5 | 4.3 | 50 |
| 192 | Deriving the Metallicity Distribution Function of Galactic Systems. <i>Publications of the Astronomical Society of Australia</i> , 2003 , 20, 189-195 | 5.5 | 50 |
| 191 | Hubble Space Telescope Observations of the Main Sequence of M4. <i>Astronomical Journal</i> , 2004 , 127, 2771-2792 | 4.9 | 50 |

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| 190 | TheHubble Space TelescopeExtragalactic Distance Scale Key Project. X. The Cepheid Distance to NGC 7331. <i>Astrophysical Journal</i> , 1998 , 501, 32-53 | 4-7 | 50 |
| 189 | Distance determination for RAVE stars using stellar models. <i>Astronomy and Astrophysics</i> , 2011 , 532, A113-1 | 3-1 | 49 |
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| 187 | The chemical evolution of dwarf spheroidal galaxies: dissecting the inner regions and their stellar populations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008 , 386, 2173-2180 | 4-3 | 49 |
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| 184 | TheHubble Space TelescopeKey Project on the Extragalactic Distance Scale. XI. The Cepheids in NGC 4414. <i>Astrophysical Journal</i> , 1998 , 505, 207-229 | 4-7 | 48 |
| 183 | METAL-POOR LITHIUM-RICH GIANTS IN THE RADIAL VELOCITY EXPERIMENT SURVEY. <i>Astrophysical Journal</i> , 2011 , 743, 107 | 4-7 | 47 |
| 182 | Testing formation mechanisms of the Milky Way's thick disc with RAVE. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 413, 2235-2241 | 4-3 | 47 |
| 181 | The Spatial Distribution of the Galactic First Stars. I. High-ResolutionN-Body Approach. <i>Astrophysical Journal</i> , 2006 , 653, 285-299 | 4-7 | 47 |
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| 179 | CARBON-RICH PRESOLAR GRAINS FROM MASSIVE STARS: SUBSOLAR 12 C/ 13 C AND 14 N/ 15 N RATIOS AND THE MYSTERY OF 15 N. <i>Astrophysical Journal Letters</i> , 2015 , 808, L43 | 7-9 | 46 |
| 178 | Calibrating an updated smoothed particle hydrodynamics scheme within gcd+. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 428, 1968-1979 | 4-3 | 45 |
| 177 | Disk Evolution since $z \sim 1$ in a CDM Universe. <i>Astrophysical Journal</i> , 2006 , 639, 126-135 | 4-7 | 45 |
| 176 | TheHubble Space TelescopeKey Project on the Extragalactic Distance Scale. XIV. The Cepheids in NGC 1365. <i>Astrophysical Journal</i> , 1999 , 515, 1-28 | 4-7 | 45 |
| 175 | The chemical evolution of globular clusters - I. Reactive elements and non-metals. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009 , 395, 719-735 | 4-3 | 44 |
| 174 | EXPLORING THE MORPHOLOGY OF RAVE STELLAR SPECTRA. <i>Astrophysical Journal, Supplement Series</i> , 2012 , 200, 14 | 8 | 44 |
| 173 | A [ITAL]Hubble[/ITAL] [ITAL]Space[/ITAL] [ITAL]T[/ITAL][ITAL]elescope[/ITAL] Study of Extragalactic OB Associations. <i>Astronomical Journal</i> , 1998 , 116, 119-130 | 4-9 | 44 |

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| 172 | Galactic chemical evolution: stellar yields and the initial mass function. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 451, 3693-3708 | 4.3 | 43 |
| 171 | The relation between chemical abundances and kinematics of the Galactic disc with RAVE. <i>Astronomy and Astrophysics</i> , 2013 , 553, A19 | 5.1 | 43 |
| 170 | An HiSurvey of Six Local Group Analogs. I. Survey Description and the Search for High-Velocity Clouds. <i>Astrophysical Journal</i> , 2007 , 662, 959-968 | 4.7 | 43 |
| 169 | The Chemical Evolution of Magnesium Isotopic Abundances in the Solar Neighbourhood. <i>Publications of the Astronomical Society of Australia</i> , 2003 , 20, 340-344 | 5.5 | 43 |
| 168 | Is the initial mass function of low surface brightness galaxies dominated by low-mass stars?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004 , 353, 113-117 | 4.3 | 43 |
| 167 | Self-regulated active galactic nuclei heating in elliptical galaxies. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2005 , 358, L16-L20 | 4.3 | 43 |
| 166 | Simple and accurate modelling of the gravitational potential produced by thick and thin exponential discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 448, 2934-2940 | 4.3 | 41 |
| 165 | Characterizing the high-velocity stars of RAVE: the discovery of a metal-rich halo star born in the Galactic disc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 447, 2046-2058 | 4.3 | 41 |
| 164 | Where Are the High-Velocity Clouds in Local Group Analogs?. <i>Astrophysical Journal</i> , 2004 , 610, L17-L20 | 4.7 | 41 |
| 163 | Properties of simulated Milky Way-mass galaxies in loose group and field environments. <i>Astronomy and Astrophysics</i> , 2012 , 547, A63 | 5.1 | 41 |
| 162 | [ITAL]Far Ultraviolet Spectroscopic Explorer[/ITAL] Spectroscopy of High-Velocity Cloud Complex C. <i>Astrophysical Journal</i> , 2000 , 538, L35-L38 | 4.7 | 41 |
| 161 | HIDEEP - an extragalactic blind survey for very low column-density neutral hydrogen. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003 , 346, 787-802 | 4.3 | 40 |
| 160 | An Extragalactic H [CSC]i[/CSC] Cloud with No Optical Counterpart?. <i>Astronomical Journal</i> , 2000 , 120, 1342-1350 | 4.9 | 40 |
| 159 | Structure, kinematics and chemical enrichment patterns after major gas-rich disc-disc mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010 , 402, 1489-1503 | 4.3 | 39 |
| 158 | AN H I SURVEY OF SIX LOCAL GROUP ANALOGS. II. H I PROPERTIES OF GROUP GALAXIES. <i>Astrophysical Journal, Supplement Series</i> , 2011 , 197, 28 | 8 | 39 |
| 157 | The dynamics of subhaloes in warm dark matter models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008 , 386, 1029-1037 | 4.3 | 39 |
| 156 | Cosmological Implications of Dwarf Spheroidal Chemical Evolution. <i>Astrophysical Journal</i> , 2006 , 646, 184-191 | 4.7 | 39 |
| 155 | Horizontal-Branch Morphology and the Photometric Evolution of Old Stellar Populations. <i>Astronomical Journal</i> , 2002 , 124, 2664-2676 | 4.9 | 38 |

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