

Philip Lucas

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

3,406
citations

218677

26
h-index

144013

57
g-index

68
all docs

68
docs citations

68
times ranked

3803
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Hi-GAL: The Herschel Infrared Galactic Plane Survey. Publications of the Astronomical Society of the Pacific, 2010, 122, 314-325. | 3.1 | 440 |
| 2 | The UKIDSS Galactic Plane Survey. Monthly Notices of the Royal Astronomical Society, 2008, 391, 136-163. | 4.4 | 407 |
| 3 | VVV DR1: The first data release of the Milky Way bulge and southern plane from the near-infrared ESO public survey VISTA variables in the VVV fields. Astronomy and Astrophysics, 2012, 537, A107. | 5.1 | 312 |
| 4 | A population of very young brown dwarfs and free-floating planets in Orion. Monthly Notices of the Royal Astronomical Society, 2000, 314, 858-864. | 4.4 | 233 |
| 5 | The UKIRT Infrared Deep Sky Survey Early Data Release. Monthly Notices of the Royal Astronomical Society, 2006, 372, 1227-1252. | 4.4 | 180 |
| 6 | THE KEPLER FOLLOW-UP OBSERVATION PROGRAM. I. A CATALOG OF COMPANIONS TO KEPLER STARS FROM HIGH-RESOLUTION IMAGING. Astronomical Journal, 2017, 153, 71. | 4.7 | 169 |
| 7 | Transit timing observations from Kepler-III. Confirmation of four multiple planet systems by a Fourier-domain study of anticorrelated transit timing variations. Monthly Notices of the Royal Astronomical Society, 2012, 421, 2342-2354. | 4.4 | 151 |
| 8 | MID-INFRARED PHOTOMETRY OF COLD BROWN DWARFS: DIVERSITY IN AGE, MASS, AND METALLICITY. Astrophysical Journal, 2010, 710, 1627-1640. | 4.5 | 146 |
| 9 | VIRAC: the VVV Infrared Astrometric Catalogue. Monthly Notices of the Royal Astronomical Society, 2018, 474, 1826-1849. | 4.4 | 103 |
| 10 | DISCOVERY AND ATMOSPHERIC CHARACTERIZATION OF GIANT PLANET KEPLER-12b: AN INFLATED RADIUS OUTLIER. Astrophysical Journal, Supplement Series, 2011, 197, 9. | 7.7 | 82 |
| 11 | A population of eruptive variable protostars in VVV. Monthly Notices of the Royal Astronomical Society, 2017, 465, 3011-3038. | 4.4 | 68 |
| 12 | New VVV Survey Globular Cluster Candidates in the Milky Way Bulge*. Astrophysical Journal Letters, 2017, 849, L24. | 8.3 | 65 |
| 13 | Extinction Ratios in the Inner Galaxy as Revealed by the VVV Survey. Astrophysical Journal Letters, 2017, 849, L13. | 8.3 | 60 |
| 14 | Infrared spectroscopy of eruptive variable protostars from VVV. Monthly Notices of the Royal Astronomical Society, 2017, 465, 3039-3100. | 4.4 | 59 |
| 15 | Butterfly star in Taurus: structures of young stellar objects. Monthly Notices of the Royal Astronomical Society, 1997, 286, 895-919. | 4.4 | 57 |
| 16 | The polarization of HD 189733. Monthly Notices of the Royal Astronomical Society: Letters, 2016, 459, L109-L113. | 3.3 | 56 |
| 17 | THE EDGE OF THE MILKY WAY STELLAR DISK REVEALED USING CLUMP GIANT STARS AS DISTANCE INDICATORS. Astrophysical Journal Letters, 2011, 733, L43. | 8.3 | 51 |
| 18 | A high-sensitivity polarimeter using a ferro-electric liquid crystal modulator. Monthly Notices of the Royal Astronomical Society, 2015, 449, 3064-3073. | 4.4 | 51 |

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|----|--|------|-----------|
| 19 | Milky Way demographics with the VVV survey. <i>Astronomy and Astrophysics</i> , 2012, 544, A147. | 5.1 | 49 |
| 20 | Planetpol polarimetry of the exoplanet systems 55â€¦Cnc and Î„â€¦Boo. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 393, 229-244. | 4.4 | 42 |
| 21 | Polarization due to rotational distortion in the bright star Regulus. <i>Nature Astronomy</i> , 2017, 1, 690-696. | 10.1 | 33 |
| 22 | The linear polarization of Southern bright stars measured at the parts-per-million level. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 1607-1628. | 4.4 | 32 |
| 23 | Transverse kinematics of the Galactic bar-bulge from VVV and Gaia. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 5188-5208. | 4.4 | 32 |
| 24 | Extreme infrared variables from UKIDSS â€“ I. A concentration in star-forming regions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 1829-1854. | 4.4 | 28 |
| 25 | Extreme infrared variables from UKIDSS â€“ II. An end-of-survey catalogue of eruptive YSOs and unusual stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 2990-3020. | 4.4 | 28 |
| 26 | The linear polarization of nearby bright stars measured at the parts per million level. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, , no-no. | 4.4 | 27 |
| 27 | A deep WISE search for very late type objects and the discovery of two halo/thick-disc T dwarfs: WISE 0013+0634 and WISE 0833+0052. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 437, 1009-1026. | 4.4 | 27 |
| 28 | Self-consistent modelling of the Milky Wayâ€™s nuclear stellar disc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 1857-1884. | 4.4 | 26 |
| 29 | Discovery of a new Y dwarf: WISE J030449.03âˆ²270508.3. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 444, 1931-1939. | 4.4 | 24 |
| 30 | Short- and long-term near-infrared spectroscopic variability of eruptive protostars from VVV. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 294-314. | 4.4 | 22 |
| 31 | V346 Nor: The Post-outburst Life of a Peculiar Young Eruptive Star. <i>Astrophysical Journal</i> , 2020, 889, 148. | 4.5 | 22 |
| 32 | Analysis of physical processes in eruptive YSOs with near-infrared spectra and multiwavelength light curves. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 830-856. | 4.4 | 20 |
| 33 | An optical spectroscopic HR diagram for low-mass stars and brown dwarfs in Orion. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, 381, 1077-1092. | 4.4 | 19 |
| 34 | NEAR-INFRARED CIRCULAR POLARIZATION SURVEY IN STAR-FORMING REGIONS: CORRELATIONS AND TRENDS. <i>Astrophysical Journal Letters</i> , 2014, 795, L16. | 8.3 | 19 |
| 35 | NEAR-INFRARED CIRCULAR POLARIMETRY AND CORRELATION DIAGRAMS IN THE ORION BECKLIN-NEUGEBAUER/KLEINMAN-LOW REGION: CONTRIBUTION OF DICHROIC EXTINCTION. <i>Astrophysical Journal</i> , 2009, 692, L88-L91. | 4.5 | 18 |
| 36 | Near-infrared imaging polarimetry of young stellar objects in Î“-Ophiuchi. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 384, 907-929. | 4.4 | 15 |

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|----|--|-----|-----------|
| 37 | YOUNG STELLAR CLUSTERS CONTAINING MASSIVE YOUNG STELLAR OBJECTS IN THE VVV SURVEY. <i>Astronomical Journal</i> , 2016, 152, 74. | 4.7 | 13 |
| 38 | Photometric variability of massive young stellar objects. <i>Astronomy and Astrophysics</i> , 2018, 619, A41. | 5.1 | 13 |
| 39 | Discovery of a mid-infrared protostellar outburst of exceptional amplitude. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 1805-1822. | 4.4 | 13 |
| 40 | Variable star classification across the Galactic bulge and disc with the VISTA Variables in the VĀa LĀĭctea survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , . | 4.4 | 13 |
| 41 | An Automated Tool to Detect Variable Sources in the Vista Variables in the VĀa LĀĭctea Survey: The VVV Variables (V^{4}) Catalog of Tiles d001 and d002. <i>Astrophysical Journal</i> , 2018, 864, 11. | 4.5 | 12 |
| 42 | Ongoing astrometric microlensing events from VVV and <i>Gaia</i> . <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2019, 487, L7-L12. | 3.3 | 12 |
| 43 | New Galactic star clusters discovered in the disc area of the VVVX survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 3902-3920. | 4.4 | 11 |
| 44 | Large-amplitude periodic outbursts and long-period variables in the VVV VIRAC2-Ĥ data base. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 1015-1035. | 4.4 | 11 |
| 45 | The extinction law in the inner 3 Å– 3 deg ² of the Milky Way and the red clump absolute magnitude in the inner bar-bulge. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 2407-2424. | 4.4 | 11 |
| 46 | HIGHLY VARIABLE YOUNG MASSIVE STARS IN ATLASGAL CLUMPS. <i>Astrophysical Journal</i> , 2016, 833, 24. | 4.5 | 10 |
| 47 | The VISTA Variables in the VĀa LĀĭctea infrared variability catalogue (VIVA-I). <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 1730-1756. | 4.4 | 10 |
| 48 | Polarization of hot Jupiter systems: a likely detection of stellar activity and a possible detection of planetary polarization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 2331-2345. | 4.4 | 10 |
| 49 | VVV high proper motion stars â€“ I. The catalogue of bright K_S 13.5 stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 1247-1258. | 4.4 | 9 |
| 50 | Long-term stellar variability in the Galactic Centre region. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 5567-5586. | 4.4 | 9 |
| 51 | VVV-WIT-08: the giant star that blinked. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 1992-2008. | 4.4 | 9 |
| 52 | Mercer 5: a probable new globular cluster in the Galactic bulge. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, , no-no. | 4.4 | 8 |
| 53 | Variable stars in the Quintuplet stellar cluster with the VVV survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 1180-1191. | 4.4 | 8 |
| 54 | The Emergence of the Infrared Transient VVV-WIT-06 [*] . <i>Astrophysical Journal Letters</i> , 2017, 849, L23. | 8.3 | 8 |

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|----|---|-----|-----------|
| 55 | The G305 Star-forming Region. I. Newly Classified Hot Stars*. <i>Astronomical Journal</i> , 2019, 158, 46. | 4.7 | 8 |
| 56 | VW Survey Microlensing: Catalog of Best and Forsaken Events. <i>Astrophysical Journal</i> , 2020, 893, 65. | 4.5 | 7 |
| 57 | VW-WIT-04: an extragalactic variable source caught by the VW Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 1171-1178. | 4.4 | 4 |
| 58 | The G 305 Star-forming Region. II. Irregular Variable Stars. <i>Astrophysical Journal</i> , 2021, 914, 28. | 4.5 | 4 |
| 59 | VW-WIT-01: highly obscured classical nova or protostellar collision?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 4847-4857. | 4.4 | 3 |
| 60 | The polarization signature of extra-solar planets. <i>Proceedings of the International Astronomical Union</i> , 2005, 1, 350-355. | 0.0 | 2 |
| 61 | Small-scale star formation as revealed by VWX galactic cluster candidates. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 3522-3533. | 4.4 | 2 |
| 62 | The VW open cluster project II. Near-infrared sequences of 37 open clusters on eight-dimensional parameter space. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , . | 4.4 | 1 |
| 63 | Assessing the Stellar Population and the Environment of an H ii Region on the Far Side of the Galaxy*. <i>Astrophysical Journal</i> , 2021, 911, 91. | 4.5 | 0 |
| 64 | Transverse bar/bulge kinematics with Gaia and VW. <i>Proceedings of the International Astronomical Union</i> , 2019, 14, 38-42. | 0.0 | 0 |
| 65 | UGPSÂJ194310+183851: an Unusual Optical and X-ray Faint Cataclysmic Variable?. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , . | 4.4 | 0 |