

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	Large-amplitude periodic outbursts and long-period variables in the VVV VIRAC2- \hat{I}^2 data base. Monthly Notices of the Royal Astronomical Society, 2022, 513, 1015-1035.	4.4	11
2	Self-consistent modelling of the Milky Way's nuclear stellar disc. Monthly Notices of the Royal Astronomical Society, 2022, 512, 1857-1884.	4.4	26
3	The extinction law in the inner 3 \hat{A} – 3 deg ² of the Milky Way and the red clump absolute magnitude in the inner bar-bulge. Monthly Notices of the Royal Astronomical Society, 2022, 514, 2407-2424.	4.4	11
4	Polarization of hot Jupiter systems: a likely detection of stellar activity and a possible detection of planetary polarization. Monthly Notices of the Royal Astronomical Society, 2021, 502, 2331-2345.	4.4	10
5	Analysis of physical processes in eruptive YSOs with near-infrared spectra and multiwavelength light curves. Monthly Notices of the Royal Astronomical Society, 2021, 504, 830-856.	4.4	20
6	Assessing the Stellar Population and the Environment of an H ii Region on the Far Side of the Galaxy*. Astrophysical Journal, 2021, 911, 91.	4.5	0
7	The G 305 Star-forming Region. II. Irregular Variable Stars. Astrophysical Journal, 2021, 914, 28.	4.5	4
8	VVV-WIT-08: the giant star that blinked. Monthly Notices of the Royal Astronomical Society, 2021, 505, 1992-2008.	4.4	9
9	Small-scale star formation as revealed by VVVX galactic cluster candidates. Monthly Notices of the Royal Astronomical Society, 2020, 499, 3522-3533.	4.4	2
10	Discovery of a mid-infrared protostellar outburst of exceptional amplitude. Monthly Notices of the Royal Astronomical Society, 2020, 499, 1805-1822.	4.4	13
11	The VISTA Variables in the V \hat{A} a L \hat{A} ictea infrared variability catalogue (VIVA-I). Monthly Notices of the Royal Astronomical Society, 2020, 496, 1730-1756.	4.4	10
12	VVV-WIT-01: highly obscured classical nova or protostellar collision?. Monthly Notices of the Royal Astronomical Society, 2020, 492, 4847-4857.	4.4	3
13	Short- and long-term near-infrared spectroscopic variability of eruptive protostars from VVV. Monthly Notices of the Royal Astronomical Society, 2020, 492, 294-314.	4.4	22
14	V346 Nor: The Post-outburst Life of a Peculiar Young Eruptive Star. Astrophysical Journal, 2020, 889, 148.	4.5	22
15	VVV Survey Microlensing: Catalog of Best and Forsaken Events. Astrophysical Journal, 2020, 893, 65.	4.5	7
16	Transverse kinematics of the Galactic bar-bulge from VVV and Gaia. Monthly Notices of the Royal Astronomical Society, 2019, 487, 5188-5208.	4.4	32
17	The G305 Star-forming Region. I. Newly Classified Hot Stars*. Astronomical Journal, 2019, 158, 46.	4.7	8
18	VVV-WIT-04: an extragalactic variable source caught by the VVV Survey. Monthly Notices of the Royal Astronomical Society, 2019, 490, 1171-1178.	4.4	4

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19	Ongoing astrometric microlensing events from VVV and <i>Gaia</i>. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 487, L7-L12.	3.3	12
20	Long-term stellar variability in the Galactic Centre region. Monthly Notices of the Royal Astronomical Society, 2019, 482, 5567-5586.	4.4	9
21	Transverse bar/bulge kinematics with Gaia and VVV. Proceedings of the International Astronomical Union, 2019, 14, 38-42.	0.0	0
22	Photometric variability of massive young stellar objects. Astronomy and Astrophysics, 2018, 619, A41.	5.1	13
23	New Galactic star clusters discovered in the disc area of the VVX survey. Monthly Notices of the Royal Astronomical Society, 2018, 481, 3902-3920.	4.4	11
24	An Automated Tool to Detect Variable Sources in the Vista Variables in the VĀa LĀıctea Survey: The VVV Variables (V⁴) Catalog of Tiles d001 and d002. Astrophysical Journal, 2018, 864, 11.	4.5	12
25	VIRAC: the VVV Infrared Astrometric Catalogue. Monthly Notices of the Royal Astronomical Society, 2018, 474, 1826-1849.	4.4	103
26	VVV high proper motion stars â€“ I. The catalogue of bright<i>K</i>_Sâ‰‰ 13.5 stars. Monthly Notices of the Royal Astronomical Society, 2017, 464, 1247-1258.	4.4	9
27	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
28	Extinction Ratios in the Inner Galaxy as Revealed by the VVV Survey. Astrophysical Journal Letters, 2017, 849, L13.	8.3	60
29	Polarization due to rotational distortion in the bright star Regulus. Nature Astronomy, 2017, 1, 690-696.	10.1	33
30	The Emergence of the Infrared Transient VVV-WIT-06[*]. Astrophysical Journal Letters, 2017, 849, L23.	8.3	8
31	New VVV Survey Globular Cluster Candidates in the Milky Way Bulge*. Astrophysical Journal Letters, 2017, 849, L24.	8.3	65
32	Infrared spectroscopy of eruptive variable protostars from VVV. Monthly Notices of the Royal Astronomical Society, 2017, 465, 3039-3100.	4.4	59
33	Extreme infrared variables from UKIDSS â€“ II. An end-of-survey catalogue of eruptive YSOs and unusual stars. Monthly Notices of the Royal Astronomical Society, 2017, 472, 2990-3020.	4.4	28
34	A population of eruptive variable protostars in VVV. Monthly Notices of the Royal Astronomical Society, 2017, 465, 3011-3038.	4.4	68
35	HIGHLY VARIABLE YOUNG MASSIVE STARS IN ATLASGAL CLUMPS. Astrophysical Journal, 2016, 833, 24.	4.5	10
36	The polarization of HD 189733. Monthly Notices of the Royal Astronomical Society: Letters, 2016, 459, L109-L113.	3.3	56

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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	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
39	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
40	A high-sensitivity polarimeter using a ferro-electric liquid crystal modulator. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 3064-3073.	4.4	51
41	Discovery of a new Y dwarf: WISE J030449.03 $\hat{\sim}$ 270508.3. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 444, 1931-1939.	4.4	24
42	NEAR-INFRARED CIRCULAR POLARIZATION SURVEY IN STAR-FORMING REGIONS: CORRELATIONS AND TRENDS. <i>Astrophysical Journal Letters</i> , 2014, 795, L16.	8.3	19
43	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
44	Extreme infrared variables from UKIDSS $\hat{\sim}$ I. A concentration in star-forming regions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 1829-1854.	4.4	28
45	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 V $\hat{\sim}$ A L $\hat{\sim}$ ctea. <i>Astronomy and Astrophysics</i> , 2012, 537, A107.	5.1	312
46	Transit timing observations from Kepler $\hat{\sim}$ f- III. Confirmation of four multiple planet systems by a Fourier-domain study of anticorrelated transit timing variations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 421, 2342-2354.	4.4	151
47	Milky Way demographics with the VVV survey. <i>Astronomy and Astrophysics</i> , 2012, 544, A147.	5.1	49
48	THE EDGE OF THE MILKY WAY STELLAR DISK REVEALED USING CLUMP GIANT STARS AS DISTANCE INDICATORS. <i>Astrophysical Journal Letters</i> , 2011, 733, L43.	8.3	51
49	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
50	DISCOVERY AND ATMOSPHERIC CHARACTERIZATION OF GIANT PLANET KEPLER-12b: AN INFLATED RADIUS OUTLIER. <i>Astrophysical Journal, Supplement Series</i> , 2011, 197, 9.	7.7	82
51	MID-INFRARED PHOTOMETRY OF COLD BROWN DWARFS: DIVERSITY IN AGE, MASS, AND METALLICITY. <i>Astrophysical Journal</i> , 2010, 710, 1627-1640.	4.5	146
52	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
53	Hi-GAL: The Herschel Infrared Galactic Plane Survey. <i>Publications of the Astronomical Society of the Pacific</i> , 2010, 122, 314-325.	3.1	440
54	NEAR-INFRARED CIRCULAR POLARIMETRY AND CORRELATION DIAGRAMMS IN THE ORION BECKLIN-NEUGEBAUER/KLEINMAN-LOW REGION: CONTRIBUTION OF DICHROIC EXTINCTION. <i>Astrophysical Journal</i> , 2009, 692, L88-L91.	4.5	18

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55	Planetpol polarimetry of the exoplanet systems 55â€ƒCnc and Î„â€ƒBoo. Monthly Notices of the Royal Astronomical Society, 2009, 393, 229-244.	4.4	42
56	Near-infrared imaging polarimetry of young stellar objects in Î•Ophiuchi. Monthly Notices of the Royal Astronomical Society, 2008, 384, 907-929.	4.4	15
57	The UKIDSS Galactic Plane Survey. Monthly Notices of the Royal Astronomical Society, 2008, 391, 136-163.	4.4	407
58	The UKIRT Infrared Deep Sky Survey Early Data Release. Monthly Notices of the Royal Astronomical Society, 2006, 372, 1227-1252.	4.4	180
59	The polarization signature of extra-solar planets. Proceedings of the International Astronomical Union, 2005, 1, 350-355.	0.0	2
60	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
61	Butterfly star in Taurus: structures of young stellar objects. Monthly Notices of the Royal Astronomical Society, 1997, 286, 895-919.	4.4	57
62	An optical spectroscopic HR diagram for low-mass stars and brown dwarfs in Orion. Monthly Notices of the Royal Astronomical Society, 0, 381, 1077-1092.	4.4	19
63	Variable star classification across the Galactic bulge and disc with the VISTA Variables in the VÃa LÃıctea survey. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	13
64	The VVV open cluster project II. Near-infrared sequences of 37 open clusters on eight-dimensional parameter space. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	1
65	UGPSÃJ194310+183851: an Unusual Optical and X-ray Faint Cataclysmic Variable?. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0