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2047	Missing stellar mass in SED fitting: spatially unresolved photometry can underestimate galaxy masses. <b>2015</b> , 452, 235-245	36
2046	A DISK-BASED DYNAMICAL MASS ESTIMATE FOR THE YOUNG BINARY AK SCO. <b>2015</b> , 806, 154	58
2045	Triggering optical AGN: the need for cold gas, and the indirect roles of galaxy environment and interactions. <b>2015</b> , 447, 110-116	34
2044	SoFIA: a flexible source finder for 3D spectral line data. <b>2015</b> , 448, 1922-1929	101
2043	The LOFAR Transients Pipeline. <b>2015</b> , 11, 25-48	47
2042	THE SINS/zC-SINF SURVEY OF $z \sim 2$ GALAXY KINEMATICS: REST-FRAME MORPHOLOGY, STRUCTURE, AND COLORS FROM NEAR-INFRARED HUBBLE SPACE TELESCOPE IMAGING. <b>2015</b> , 802, 101	44
2041	HUBBLE SPACE TELESCOPE PROPER MOTION (HSTPROMO) CATALOGS OF GALACTIC GLOBULAR CLUSTERS. II. KINEMATIC PROFILES AND MAPS. <b>2015</b> , 803, 29	110
2040	CONSTRAINING THE RADIO-LOUD FRACTION OF QUASARS AT $z > 5.5$ . <b>2015</b> , 804, 118	63
2039	BEASTS OF THE SOUTHERN WILD: DISCOVERY OF NINE ULTRA FAINT SATELLITES IN THE VICINITY OF THE MAGELLANIC CLOUDS. <b>2015</b> , 805, 130	358
2038	THE HIGH-MASS STELLAR INITIAL MASS FUNCTION IN M31 CLUSTERS. <b>2015</b> , 806, 198	41
2037	THE FORMATION OF FILAMENTARY BUNDLES IN TURBULENT MOLECULAR CLOUDS. <b>2015</b> , 807, 67	44
2036	THE SIZES OF CANDIDATE GALAXIES $z \sim 9$ : CONFIRMATION OF THE BRIGHT CANDELS SAMPLE AND RELATION WITH LUMINOSITY AND MASS. <b>2015</b> , 808, 6	47
2035	THE AGES, METALLICITIES, AND ELEMENT ABUNDANCE RATIOS OF MASSIVE QUENCHED GALAXIES AT $z \sim 1.6$ . <b>2015</b> , 808, 161	70
2034	EVIDENCE FOR ENHANCED PERSISTENT EMISSION DURING SUB-EDDINGTON THERMONUCLEAR BURSTS. <b>2015</b> , 801, 60	45

2033	THE STAR FORMATION HISTORIES OF LOCAL GROUP DWARF GALAXIES. III. CHARACTERIZING QUENCHING IN LOW-MASS GALAXIES. <b>2015</b> , 804, 136	61
2032	THE NEEDLE IN THE 100 deg <sup>2</sup> HAYSTACK: UNCOVERING AFTERGLOWS OFFERMIGRBs WITH THE PALOMAR TRANSIENT FACTORY. <b>2015</b> , 806, 52	39
2031	SimPEG: An open source framework for simulation and gradient based parameter estimation in geophysical applications. <b>2015</b> , 85, 142-154	107
2030	Toyz: A framework for scientific analysis of large datasets and astronomical images. <b>2015</b> , 13, 50-57	5
2029	End-to-end simulation of high-contrast imaging systems: methods and results for the PICTURE mission family. <b>2015</b> ,	2
2028	SAMP, the Simple Application Messaging Protocol: Letting applications talk to each other. <b>2015</b> , 11, 81-90	14
2027	REVEALING CEPHEID SECRET COMPANION AND INTRIGUING PAST. <b>2015</b> , 804, 144	212
2026	Mass ratio of the 2 pc binary brown dwarf LUH 16 and limits on planetary companions from astrometry. <b>2015</b> , 453, L103-L107	14
2025	ASSESSING MOLECULAR OUTFLOWS AND TURBULENCE IN THE PROTOSTELLAR CLUSTER SERPENS SOUTH. <b>2015</b> , 803, 22	32
2024	A RADIO-POLARIZATION AND ROTATION MEASURE STUDY OF THE GUM NEBULA AND ITS ENVIRONMENT. <b>2015</b> , 804, 22	32
2023	ORAC-DR: A generic data reduction pipeline infrastructure. <b>2015</b> , 9, 40-48	21
2022	SunPy Python for solar physics. <b>2015</b> , 8, 014009	61
2021	EVOLUTION IN THE BLACK HOLE GALAXY SCALING RELATIONS AND THE DUTY CYCLE OF NUCLEAR ACTIVITY IN STAR-FORMING GALAXIES. <b>2015</b> , 802, 14	40
2020	NUSTAR AND SUZAKU X-RAY SPECTROSCOPY OF NGC 4151: EVIDENCE FOR REFLECTION FROM THE INNER ACCRETION DISK. <b>2015</b> , 806, 149	47
2019	BAND-9 ALMA OBSERVATIONS OF THE $\text{N}_{122}$ LINE AND FIR CONTINUUM IN TWO HIGH-z GALAXIES. <b>2015</b> , 806, 260	23
2018	ASYMMETRIC ACCRETION FLOWS WITHIN A COMMON ENVELOPE. <b>2015</b> , 803, 41	77
2017	Are rotating planes of satellite galaxies ubiquitous?. <b>2015</b> , 453, 3840-3848	27
2016	The first stars: formation under X-ray feedback. <b>2015</b> , 453, 4137-4148	17

2015	THE PANCHROMATIC HUBBLE ANDROMEDA TREASURY. XI. THE SPATIALLY RESOLVED RECENT STAR FORMATION HISTORY OF M31. <b>2015</b> , 805, 183	69
2014	THE ELEVENTH AND TWELFTH DATA RELEASES OF THE SLOAN DIGITAL SKY SURVEY: FINAL DATA FROM SDSS-III. <b>2015</b> , 219, 12	1504
2013	THE ARCONS PIPELINE: DATA REDUCTION FOR MKID ARRAYS. <b>2015</b> , 219, 14	13
2012	Chimenea and other tools: Automated imaging of multi-epoch radio-synthesis data with CASA. <b>2015</b> , 13, 38-49	8
2011	Gaia's potential for the discovery of circumbinary planets. <b>2015</b> , 447, 287-297	49
2010	HST EMISSION LINE GALAXIES AT $z \sim 2$ : COMPARING PHYSICAL PROPERTIES OF LYMAN ALPHA AND OPTICAL EMISSION LINE SELECTED GALAXIES. <b>2016</b> , 817, 79	41
2009	SIMULATING ASTRONOMICAL OBSERVATIONS OF SLOSHING GAS MOTIONS IN THE CORES OF GALAXY CLUSTERS. <b>2016</b> , 821, 6	12
2008	A HUBBLE SPACE TELESCOPE STUDY OF THE ENIGMATIC MILKY WAY HALO GLOBULAR CLUSTER CRATER. <b>2016</b> , 822, 32	27
2007	ERRATUM: MILKY WAY RED DWARFS IN THE BORG SURVEY; GALACTIC SCALE-HEIGHT AND THE DISTRIBUTION OF DWARF STARS IN WFC3 IMAGING I (2014, ApJ, 788, 77). <b>2016</b> , 825, 82	
2006	HST IMAGING OF THE LOCAL VOLUME DWARF GALAXIES PISCES A AND B: PROTOTYPES FOR LOCAL GROUP DWARFS. <b>2016</b> , 827, 89	15
2005	Z FIRE: A KECK/MOSFIRE SPECTROSCOPIC SURVEY OF GALAXIES IN RICH ENVIRONMENTS AT $z \sim 2$ . <b>2016</b> , 828, 21	42
2004	AN ECCENTRIC BINARY MILLISECOND PULSAR WITH A HELIUM WHITE DWARF COMPANION IN THE GALACTIC FIELD. <b>2016</b> , 830, 36	19
2003	THE CANDIDATE CLUSTER AND PROTOCLUSTER CATALOG (CCPC). II. SPECTROSCOPICALLY IDENTIFIED STRUCTURES SPANNING 2 . <b>2016</b> , 833, 15	15
2002	HIGH-VELOCITY BIPOLAR MOLECULAR EMISSION FROM AN AGN TORUS. <b>2016</b> , 829, L7	66
2001	HUBBLE SPACE TELESCOPE PROPER MOTION (HST PROMO) CATALOGS OF GALACTIC GLOBULAR CLUSTERS. IV. KINEMATIC PROFILES AND AVERAGE MASSES OF BLUE STRAGGLER STARS. <b>2016</b> , 827, 12	24
2000	OBSCURED AGNs IN BULGELESS HOSTS DISCOVERED BYWISE: THE CASE STUDY OF SDSS J1224+5555. <b>2016</b> , 827, 58	6
1999	Herschel-Planck dust optical depth and column density maps. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 587, A106	5.1 28
1998	Stellar classification from single-band imaging using machine learning. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 591, A54	5.1 13

1997	On the relation of optical obscuration and X-ray absorption in Seyfert galaxies. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 586, A28	5.1	50
1996	gPhoton: THEGALEXPHOTON DATA ARCHIVE. <b>2016</b> , 833, 292		29
1995	The Lyman alpha reference sample. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 587, A78	5.1	28
1994	HI4PI: a full-sky H i survey based on EBHIS and GASS. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 594, A116	5.1	392
1993	SPECTROSCOPY OF LUMINOUS COMPACT BLUE GALAXIES IN DISTANT CLUSTERS. II. PHYSICAL PROPERTIES OF dE PROGENITOR CANDIDATES. <b>2016</b> , 817, 87		5
1992	Precise radial velocities of giant stars. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 595, A55	5.1	15
1991	A RICH GLOBULAR CLUSTER SYSTEM IN DRAGONFLY 17: ARE ULTRA-DIFFUSE GALAXIES PURE STELLAR HALOS?. <b>2016</b> , 822, L31		76
1990	Multi-wavelength landscape of the young galaxy cluster RXJ 1257.2+4738 at $z=0.866$ . <i>Astronomy and Astrophysics</i> , <b>2016</b> , 592, A108	5.1	3
1989	Identifying galaxy candidates in WSRT H i imaging of ultra-compact high velocity clouds. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 596, A117	5.1	10
1988	THE PHOENIX STREAM: A COLD STREAM IN THE SOUTHERN HEMISPHERE. <b>2016</b> , 820, 58		38
1987	CLUSTER-LENSING: A PYTHON PACKAGE FOR GALAXY CLUSTERS AND MISCENTERING. <b>2016</b> , 152, 228		5
1986	The imprint of satellite accretion on the chemical and dynamical properties of disc galaxies. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 586, A112	5.1	16
1985	SUPPLEMENT: GOING THE DISTANCE: MAPPING HOST GALAXIES OF LIGO AND VIRGO SOURCES IN THREE DIMENSIONS USING LOCAL COSMOGRAPHY AND TARGETED FOLLOW-UP (2016, ApJL, 829, L15). <b>2016</b> , 226, 10		33
1984	The red dwarf pair GJ65 AB: inflated, spinning twins of Proxima. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 593, A127	5.1	21
1983	SpIES: THE SPITZER IRAC EQUATORIAL SURVEY. <b>2016</b> , 225, 1		33
1982	The close circumstellar environment of Betelgeuse. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 585, A28	5.1	32
1981	Constraining the physical structure of the inner few 100 AU scales of deeply embedded low-mass protostars. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 590, A33	5.1	29
1980	The effect of local and large-scale environments on nuclear activity and star formation. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 592, A30	5.1	19

1979	Seeding the Galactic Centre gas stream: gravitational instabilities set the initial conditions for the formation of protocluster clouds. <b>2016</b> , 463, L122-L126		41
1978	The Effelsberg-Bonn H I Survey: Milky Way gas. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 585, A41	5.1	95
1977	Dense gas in the Galactic central molecular zone is warm and heated by turbulence. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 586, A50	5.1	128
1976	An X-Shooter composite of bright 1 . <i>Astronomy and Astrophysics</i> , <b>2016</b> , 585, A87	5.1	85
1975	Shape of the oxygen abundance profiles in CALIFA face-on spiral galaxies. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 587, A70	5.1	103
1974	Convolution kernels for multi-wavelength imaging. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 596, A63	5.1	9
1973	The Lockman Hole project: LOFAR observations and spectral index properties of low-frequency radio sources. <b>2016</b> , 463, 2997-3020		49
1972	The Ly $\alpha$ luminosity function at $z=5.7$ and the steep drop of the faint end: implications for reionization. <b>2016</b> , 463, 1678-1691		67
1971	In-focus wavefront sensing using non-redundant mask-induced pupil diversity. <b>2016</b> , 24, 15506-21		4
1970	K2 ROTATION PERIODS FOR LOW-MASS HYADS AND THE IMPLICATIONS FOR GYROCHRONOLOGY. <b>2016</b> , 822, 47		85
1969	Under pressure: quenching star formation in low-mass satellite galaxies via stripping. <b>2016</b> , 463, 1916-1928		68
1968	The physical and chemical structure of Sagittarius B2. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 588, A143	5.1	73
1967	X-RAY PROPERTIES OF THE YOUNGEST RADIO SOURCES AND THEIR ENVIRONMENTS. <b>2016</b> , 823, 57		29
1966	Cometary Science with the James Webb Space Telescope. <b>2016</b> , 128, 018009		15
1965	STARK BROADENING OF HIGH-ORDER RADIO RECOMBINATION LINES TOWARD THE ORION NEBULA. <b>2016</b> , 828, 40		3
1964	Three-dimensional distribution of hydrogen fluoride gas toward NGC 6334 I and I(N). <i>Astronomy and Astrophysics</i> , <b>2016</b> , 593, A37	5.1	7
1963	Testing the dark matter subhalo hypothesis of the gamma-ray source 3FGL J2212.5+0703. <b>2016</b> , 94,		8
1962	Gas absorption and dust extinction towards the Orion Nebula Cluster. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 593, A7	5.1	9

1961	A UNIFORM CATALOG OF MOLECULAR CLOUDS IN THE MILKY WAY. <b>2016</b> , 822, 52		97
1960	Calibration development strategies for the Daniel K. Inouye Solar Telescope (DKIST) data center. <b>2016</b> ,		
1959	THE MASSIVE PROTOSTELLAR CLUSTER NGC 6334I AT 220 au RESOLUTION: DISCOVERY OF FURTHER MULTIPLICITY, DIVERSITY, AND A HOT MULTI-CORE. <b>2016</b> , 832, 187		37
1958	CHAOS. III. GAS-PHASE ABUNDANCES IN NGC 5457. <b>2016</b> , 830, 4		77
1957	An M-dwarf star in the transition disk of Herbig HD 142527. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 590, A90	5.1	61
1956	ALMA observations of the nearby AGB star L2 Puppis. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 596, A92	5.1	45
1955	CONNECTING CO INTENSITY MAPPING TO MOLECULAR GAS AND STAR FORMATION IN THE EPOCH OF GALAXY ASSEMBLY. <b>2016</b> , 817, 169		65
1954	NEW HALO STARS OF THE GALACTIC GLOBULAR CLUSTERS M3 AND M13 IN THE LAMOST DR1 CATALOG. <b>2016</b> , 829, 123		12
1953	A SYSTEMATIC STUDY OF MID-INFRARED EMISSION FROM CORE-COLLAPSE SUPERNOVAE WITH SPIRITS. <b>2016</b> , 833, 231		31
1952	Towards universal hybrid star formation rate estimators. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 591, A6	5.1	60
1951	THE ORION FINGERS: NEAR-IR SPECTRAL IMAGING OF AN EXPLOSIVE OUTFLOW. <b>2016</b> , 151, 173		15
1950	SPITZER OBSERVATIONS OF LONG-TERM INFRARED VARIABILITY AMONG YOUNG STELLAR OBJECTS IN CHAMAELEON I. <b>2016</b> , 833, 104		15
1949	Azimuthal asymmetries in the debris disk around HD 61005. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 591, A108	5.1	56
1948	CHEMICAL DIVERSITY IN THE ULTRA-FAINT DWARF GALAXY TUCANA II. <b>2016</b> , 832, L3		34
1947	OBSERVATIONAL CONSTRAINTS ON FIRST-STAR NUCLEOSYNTHESIS. I. EVIDENCE FOR MULTIPLE PROGENITORS OF CEMP-NO STARS. <b>2016</b> , 833, 20		103
1946	SUBMILLIMETER POLARIZATION OBSERVATION OF THE PROTOPLANETARY DISK AROUND HD 142527. <b>2016</b> , 831, L12		70
1945	gadfly: A pandas-based Framework for Analyzing GADGET Simulation Data. <b>2016</b> , 128, 114503		
1944	VISION [Vienna survey in Orion. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 587, A153	5.1	45



1943	THE FRAGMENTATION AND STABILITY OF HIERARCHICAL STRUCTURE IN SERPENS SOUTH. <b>2016</b> , 833, 204		24
1942	FAINT SUBMILLIMETER GALAXIES IDENTIFIED THROUGH THEIR OPTICAL/NEAR-INFRARED COLORS. I. SPATIAL CLUSTERING AND HALO MASSES. <b>2016</b> , 831, 91		32
1941	Close stellar conjunctions of Centauri A and B until 2050. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 594, A107	5.1	34
1940	Shadows cast on the transition disk of HD 135344B. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 595, A113	5.1	110
1939	SURFACE ALBEDO AND SPECTRAL VARIABILITY OF CERES. <b>2016</b> , 817, L22		36
1938	ESTIMATING DISTANCES FROM PARALLAXES. II. PERFORMANCE OF BAYESIAN DISTANCE ESTIMATORS ON AGAIA-LIKE CATALOGUE. <b>2016</b> , 832, 137		112
1937	Calibrated and completeness-corrected optical stellar density maps of the northern Galactic plane. <b>2016</b> , 457, 642-665		4
1936	AST: A library for modelling and manipulating coordinate systems. <b>2016</b> , 15, 33-49		6
1935	DISCOVERY OF A STELLAR OVERDENSITY IN ERIDANUS/PHOENIX IN THE DARK ENERGY SURVEY. <b>2016</b> , 817, 135		29
1934	CHANDRAX-RAY AND HUBBLE SPACE TELESCOPE IMAGING OF OPTICALLY SELECTED KILOPARSEC-SCALE BINARY ACTIVE GALACTIC NUCLEI. II. HOST GALAXY MORPHOLOGY AND AGN ACTIVITY. <b>2016</b> , 823, 50		18
1933	Simulated stellar kinematics studies of high-redshift galaxies with the HARMONI Integral Field Spectrograph. <b>2016</b> , 458, 2405-2422		6
1932	The cluster-scale environment of PKS 2155B04. <b>2016</b> , 455, 618-625		9
1931	Chaotic dispersal of tidal debris. <b>2016</b> , 455, 1079-1098		40
1930	A GLOBAL CORRECTION TO PPMXL PROPER MOTIONS. <b>2016</b> , 151, 99		16
1929	THE POPULATION OF COMPACT RADIO SOURCES IN THE ORION NEBULA CLUSTER. <b>2016</b> , 822, 93		25
1928	THE OUTER SOLAR SYSTEM ORIGINS SURVEY. I. DESIGN AND FIRST-QUARTER DISCOVERIES. <b>2016</b> , 152, 70		84
1927	ULTRA-DEEP K S-BAND IMAGING OF THE HUBBLE FRONTIER FIELDS. <b>2016</b> , 226, 6		28
1926	THE JCMT GOULD BELT SURVEY: EVIDENCE FOR DUST GRAIN EVOLUTION IN PERSEUS STAR-FORMING CLUMPS. <b>2016</b> , 826, 95		34

1925	Enabling science with Gaia observations of naked-eye stars. <b>2016</b> ,	7
1924	RoboPol: the optical polarization of gamma-ray-loud and gamma-ray-quiet blazars. <b>2016</b> , 463, 3365-3380	56
1923	MEASURING PROTOPLANETARY DISK GAS SURFACE DENSITY PROFILES WITH ALMA. <b>2016</b> , 830, 32	20
1922	A CENSUS OF LARGE-SCALE ( $\sim 10$ PC), VELOCITY-COHERENT, DENSE FILAMENTS IN THE NORTHERN GALACTIC PLANE: AUTOMATED IDENTIFICATION USING MINIMUM SPANNING TREE. <b>2016</b> , 226, 9	42
1921	THE SPECTACULAR RADIO-NEAR-IR-X-RAY JET OF 3C 111: THE X-RAY EMISSION MECHANISM AND JET KINEMATICS. <b>2016</b> , 826, 109	16
1920	WATER MASERS IN THE ANDROMEDA GALAXY. II. WHERE DO MASERS ARISE?. <b>2016</b> , 826, 136	3
1919	FORBIDDEN IRON LINES AND DUST DESTRUCTION IN SUPERNOVA REMNANT SHOCKS: THE CASE OF N49 IN THE LARGE MAGELLANIC CLOUD. <b>2016</b> , 826, 150	21
1918	THE MILKY WAY PROJECT AND ATLASGAL: THE DISTRIBUTION AND PHYSICAL PROPERTIES OF COLD CLUMPS NEAR INFRARED BUBBLES. <b>2016</b> , 825, 142	21
1917	Mocking the weak lensing universe: The LensTools Python computing package. <b>2016</b> , 17, 73-79	31
1916	RESOLVED MILLIMETER-WAVELENGTH OBSERVATIONS OF DEBRIS DISKS AROUND SOLAR-TYPE STARS. <b>2016</b> , 816, 27	32
1915	THE FIRST HIGH-PHASE OBSERVATIONS OF A KBO: NEW HORIZONS IMAGING OF (15810) 1994 JR 1 FROM THE KUIPER BELT. <b>2016</b> , 828, L15	14
1914	G11.920.61 MM1: a Keplerian disc around a massive young proto-O star. <b>2016</b> , 462, 4386-4401	64
1913	DEBRIS DISKS IN THE SCORPIUS-CENTAURUS OB ASSOCIATION RESOLVED BY ALMA. <b>2016</b> , 828, 25	59
1912	ON THE FERMI -GBM EVENT 0.4 s AFTER GW150914. <b>2016</b> , 827, L38	58
1911	THE PAN-STARRS1 DISTANT $z > 5.6$ QUASAR SURVEY: MORE THAN 100 QUASARS WITHIN THE FIRST GYR OF THE UNIVERSE. <b>2016</b> , 227, 11	193
1910	The prevalence of star formation as a function of Galactocentric radius. <b>2016</b> , 462, 3123-3129	23
1909	Soapy: an adaptive optics simulation written purely in Python for rapid concept development. <b>2016</b> ,	8
1908	A synoptic map of halo substructures from the Pan-STARRS1 3i survey. <b>2016</b> , 463, 1759-1768	81

1907	THE CLOSE COMPANION MASS-RATIO DISTRIBUTION OF INTERMEDIATE-MASS STARS. <b>2016</b> , 152, 40	24
1906	Data processing and visualisation in the Rosetta Science Ground Segment. <b>2016</b> , 126, 475-487	5
1905	Rapid Bayesian position reconstruction for gravitational-wave transients. <b>2016</b> , 93,	175
1904	A CONSTRAINT ON QUASAR CLUSTERING AT $z=5$ FROM A BINARY QUASAR. <b>2016</b> , 151, 61	17
1903	SUPPLEMENT: LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914 [(2016, ApJL, 826, L13). <b>2016</b> , 225, 8	38
1902	The Gaia-ESO Survey: revisiting the Li-rich giant problem. <b>2016</b> , 461, 3336-3352	52
1901	PROTOSTARS AT LOW EXTINCTION IN ORION A. <b>2016</b> , 825, 91	9
1900	KIM 3: AN ULTRA-FAINT STAR CLUSTER IN THE CONSTELLATION OF CENTAURUS. <b>2016</b> , 820, 119	32
1899	SHIELD: NEUTRAL GAS KINEMATICS AND DYNAMICS. <b>2016</b> , 832, 89	20
1898	Investigating interoperability of the LSST data management software stack with Astropy. <b>2016</b> ,	3
1897	SEASONAL EVOLUTION ON THE NUCLEUS OF COMET C/2013 A1 (SIDING SPRING). <b>2016</b> , 817, L23	5
1896	Faint dwarf galaxies in Hickson Compact Group 90. <b>2016</b> , 463, 1284-1290	8
1895	VETTING GALACTIC LEAVITT LAW CALIBRATORS USING RADIAL VELOCITIES: ON THE VARIABILITY, BINARITY, AND POSSIBLE PARALLAX ERROR OF 19 LONG-PERIOD CEPHEIDS. <b>2016</b> , 226, 18	16
1894	FAR-INFRARED LINE SPECTRA OF ACTIVE GALAXIES FROM THE HERSCHEL /PACS SPECTROMETER: THE COMPLETE DATABASE. <b>2016</b> , 226, 19	41
1893	LOFAR 150-MHz observations of the Boötes field: catalogue and source counts. <b>2016</b> , 460, 2385-2412	119
1892	The average submillimetre properties of Lyman $\alpha$ blobs at $z = 3$ . <b>2016</b> , 460, 4075-4085	12
1891	Using 21 cm absorption surveys to measure the average H I spin temperature in distant galaxies. <b>2016</b> , 462, 1341-1350	12
1890	LOFAR/H-ATLAS: a deep low-frequency survey of the Herschel-ATLAS North Galactic Pole field. <b>2016</b> , 462, 1910-1936	79

1889	MUSE searches for galaxies near very metal-poor gas clouds at $z \sim 3$ : new constraints for cold accretion models. <b>2016</b> , 462, 1978-1988	49
1888	SHOCKFIND - an algorithm to identify magnetohydrodynamic shock waves in turbulent clouds. <b>2016</b> , 463, 1026-1039	11
1887	The dustier early-type galaxies deviate from late-type galaxies scaling relations. <b>2016</b> , 461, 2856-2866	13
1886	Ray-tracing critical-angle transmission gratings for the X-ray Surveyor and Explorer-size missions. <b>2016</b> ,	3
1885	EXPLORING DAMPED Ly $\alpha$ SYSTEM HOST GALAXIES USING GAMMA-RAY BURSTS. <b>2016</b> , 832, 175	6
1884	WISEP J060738.65+242953.4: A NEARBY POLE-ON L8 BROWN DWARF WITH RADIO EMISSION. <b>2016</b> , 152, 123	7
1883	THE SECOND KONUS- WIND CATALOG OF SHORT GAMMA-RAY BURSTS. <b>2016</b> , 224, 10	38
1882	Project PANOPTES: a citizen-scientist exoplanet transit survey using commercial digital cameras. <b>2016</b> ,	
1881	HydroUnits: supporting dimensional analysis in hydrologic computing systems using sensor-based standards. <b>2016</b> , 18, 168-184	1
1880	COMPLETE ELEMENT ABUNDANCES OF NINE STARS IN THE r-PROCESS GALAXY RETICULUM II. <b>2016</b> , 830, 93	103
1879	PORTRAIT OF A DARK HORSE: A PHOTOMETRIC AND SPECTROSCOPIC STUDY OF THE ULTRA-FAINT MILKY WAY SATELLITE PEGASUS III. <b>2016</b> , 833, 16	29
1878	HOST GALAXY IDENTIFICATION FOR SUPERNOVA SURVEYS. <b>2016</b> , 152, 154	36
1877	THE LOCATION, CLUSTERING, AND PROPAGATION OF MASSIVE STAR FORMATION IN GIANT MOLECULAR CLOUDS. <b>2016</b> , 832, 43	11
1876	The Australian Space Eye: studying the history of galaxy formation with a CubeSat. <b>2016</b> ,	1
1875	SimCADO: an instrument data simulator package for MICADO at the E-ELT. <b>2016</b> ,	7
1874	Wavefront sensing in space from the PICTURE-B sounding rocket. <b>2016</b> ,	1
1873	All NIRspec Needs is HST/WFC3 Pre-Imaging? The Use of Milky Way Stars in WFC3 Imaging to Register NIRspec MSA Observations. <b>2016</b> , 05, 1650008	
1872	Pandemia: a multi-mission exposure time calculator for JWST and WFIRST. <b>2016</b> ,	36

1871	The mass of planet GJ 676A b from ground-based astrometry. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 595, A77	5.1	18
1870	First on-sky results with ARGOS at LBT. <b>2016</b> ,		6
1869	Toward gas exhaustion in the W51 high-mass protoclusters. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 595, A27	5.1	40
1868	Cygrid: A fast Cython-powered convolution-based gridding module for Python. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 591, A12	5.1	12
1867	MAPPING THE GAS TURBULENCE IN THE COMA CLUSTER: PREDICTIONS FORASTRO-H. <b>2016</b> , 817, 110		16
1866	MULTIWAVELENGTH STUDY OF QUIESCENT STATES OF Mrk 421 WITH UNPRECEDENTED HARD X-RAY COVERAGE PROVIDED BYNuSTARIN 2013. <b>2016</b> , 819, 156		63
1865	The Geneva Reduction and Analysis Pipeline for High-contrast Imaging of planetary Companions. <b>2016</b> , 455, 2178-2186		30
1864	Herschelfar-infrared photometry of theSwiftBurst Alert Telescope active galactic nuclei sample of the local universe II. SPIRE observations. <b>2016</b> , 456, 3335-3353		24
1863	Phase-resolved spectroscopy of Type B quasi-periodic oscillations in GX 339-4. <b>2016</b> , 460, 2796-2810		33
1862	Massive relic galaxies prefer dense environments. <b>2016</b> , 461, 156-163		14
1861	An empirical determination of the dust mass absorption coefficient, $\kappa$ , using the Herschel Reference Survey. <b>2016</b> , 459, 1646-1658		33
1860	On the connection between the metal-enriched intergalactic medium and galaxies: an O vi galaxy cross-correlation study atz2016, 460, 590-616		14
1859	The winds from HL Tau. <b>2016</b> , 460, 627-633		14
1858	RINGED SUBSTRUCTURE AND A GAP AT 1 au IN THE NEAREST PROTOPLANETARY DISK. <b>2016</b> , 820, L40		364
1857	REVISITING THE MICROLENSING EVENT OGLE 2012-BLG-0026: A SOLAR MASS STAR WITH TWO COLD GIANT PLANETS. <b>2016</b> , 824, 83		59
1856	EVOLUTION OF THERMALLY PULSING ASYMPTOTIC GIANT BRANCH STARS. V. CONSTRAINING THE MASS LOSS AND LIFETIMES OF INTERMEDIATE-MASS, LOW-METALLICITY AGB STARS*. <b>2016</b> , 822, 73		50
1855	Towards the statistical detection of the warm-hot intergalactic medium in intercluster filaments of the cosmic web. <b>2016</b> , 455, 2662-2697		25
1854	Radio galaxies in ZFOURGE/NMBS: no difference in the properties of massive galaxies with and without radio-AGN out to $z = 2.25$ . <b>2016</b> , 455, 2731-2744		19

1853	NGC 6778: strengthening the link between extreme abundance discrepancy factors and central star binarity in planetary nebulae. <b>2016</b> , 455, 3263-3272	48
1852	The distribution of atomic hydrogen in eagle galaxies: morphologies, profiles, and H i holes. <b>2016</b> , 456, 1115-1136	95
1851	The origin of compact galaxies with anomalously high black hole masses. <b>2016</b> , 460, 1147-1161	28
1850	Radio Galaxy Zoo: discovery of a poor cluster through a giant wide-angle tail radio galaxy. <b>2016</b> , 460, 2376-2384	17
1849	The first stars: formation under cosmic ray feedback. <b>2016</b> , 460, 2432-2444	6
1848	Changing physical conditions in star-forming galaxies between redshifts 0'. <b>2016</b> , 460, 3002-3013	16
1847	The CALYSHA survey: Ly $\alpha$ escape fraction and its dependence on galaxy properties at $z = 2.23$ . <b>2016</b> , 458, 449-467	60
1846	Submillimeter array observations of NGC 2264-C: molecular outflows and driving sources. <b>2016</b> , 458, 1742-1767	12
1845	Resolving the planetesimal belt of HR 8799 with ALMA. <b>2016</b> , 460, L10-L14	74
1844	A new method to break the mass-sheet degeneracy using aperture moments. <b>2016</b> , 460, 2505-2525	1
1843	The GALAH survey: relative throughputs of the 2dF fibre positioner and the HERMES spectrograph from stellar targets. <b>2016</b> , 459, 1069-1081	8
1842	SPENDING TOO MUCH TIME AT THE GALACTIC BAR: CHAOTIC FANNING OF THE OPHIUCHUS STREAM. <b>2016</b> , 824, 104	27
1841	AN EXTERNAL SHOCK ORIGIN OF GRB 141028A. <b>2016</b> , 822, 63	18
1840	An enhanced merger fraction within the galaxy population of the SSA22 protocluster at $z = 3.1$ . <b>2016</b> , 455, 2363-2370	21
1839	Dynamical formation and scattering of hierarchical triples: cross-sections, Kozai-Lidov oscillations, and collisions. <b>2016</b> , 456, 4219-4246	47
1838	CHIMERA: a wide-field, multi-colour, high-speed photometer at the prime focus of the Hale telescope. <b>2016</b> , 457, 3036-3049	37
1837	Insights into quasar UV spectra using unsupervised clustering analysis. <b>2016</b> , 459, 1659-1681	2
1836	Possible Population III remnants at redshift 3.5. <b>2016</b> , 457, L44-L48	16

1835	A DISK-BASED DYNAMICAL CONSTRAINT ON THE MASS OF THE YOUNG BINARY DQ TAU. <b>2016</b> , 818, 156	39
1834	The Palomar kernel-phase experiment: testing kernel phase interferometry for ground-based astronomical observations. <b>2016</b> , 455, 1647-1653	8
1833	THE SCUBA-2 COSMOLOGY LEGACY SURVEY: MULTIWAVELENGTH COUNTERPARTS TO 103SUBMILLIMETER GALAXIES IN THE UKIDSS-UDS FIELD. <b>2016</b> , 820, 82	44
1832	CosmoBolognaLib: C++ libraries for cosmological calculations. <b>2016</b> , 14, 35-42	30
1831	ADVANCED DATA VISUALIZATION IN ASTROPHYSICS: THE X3D PATHWAY. <b>2016</b> , 818, 115	17
1830	KIC 9246715: THE DOUBLE RED GIANT ECLIPSING BINARY WITH ODD OSCILLATIONS. <b>2016</b> , 818, 108	26
1829	CHIMPS: the 13CO/C18O ( $J=3 \rightarrow 2$ ) Heterodyne Inner Milky Way Plane Survey. <b>2016</b> , 456, 2885-2899	54
1828	MOTION VERIFIED RED STARS (MoVeRS): A CATALOG OF PROPER MOTION SELECTED LOW-MASS STARS FROM WISE, SDSS, AND 2MASS. <b>2016</b> , 151, 41	10
1827	A method for selecting M dwarfs with an increased likelihood of unresolved ultracool companionship. <b>2016</b> , 457, 2192-2208	8
1826	THE CLOSE STELLAR COMPANIONS TO INTERMEDIATE-MASS BLACK HOLES. <b>2016</b> , 819, 70	34
1825	Deep Chandra observations of Pictor A. <b>2016</b> , 455, 3526-3545	43
1824	LAMOST 1: A DISRUPTED SATELLITE IN THE CONSTELLATION DRACO. <b>2016</b> , 816, L2	0
1823	Parallax of the L4.5 dwarf 2M1821+14 from high-precision astrometry with OSIRIS at GTC. <b>2016</b> , 455, 357-369	12
1822	An Open Catalog for Supernova Data. <b>2017</b> , 835, 64	260
1821	The Host Galaxy and Redshift of the Repeating Fast Radio Burst FRB 121102. <b>2017</b> , 834, L7	398
1820	EXPLODING SATELLITES: THE TIDAL DEBRIS OF THE ULTRA-FAINT DWARF GALAXY HERCULES. <b>2017</b> , 834, 112	22
1819	The Late-Type Extension to MoVeRS (LaTE-MoVeRS): Proper Motion Verified Low-mass Stars and Brown Dwarfs from SDSS, 2MASS, and WISE. <b>2017</b> , 153, 92	12
1818	LACEwing: A New Moving Group Analysis Code. <b>2017</b> , 153, 95	50

1817	A New Approach to the Internal Calibration of Reverberation-Mapping Spectra. <b>2017</b> , 129, 024007	16
1816	GaLactic and Extragalactic All-sky Murchison Widefield Array (GLEAM) survey II. A low-frequency extragalactic catalogue. <b>2017</b> , 464, 1146-1167	275
1815	Trojan Asteroids in the Kepler Campaign 6 Field. <b>2017</b> , 153, 116	19
1814	Type Ibn Supernovae Show Photometric Homogeneity and Spectral Diversity at Maximum Light. <b>2017</b> , 836, 158	49
1813	Neutral ISM, Ly $\alpha$ and Lyman-continuum in the Nearby Starburst Haro 11. <b>2017</b> , 837, 29	17
1812	The Joker: A Custom Monte Carlo Sampler for Binary-star and Exoplanet Radial Velocity Data. <b>2017</b> , 837, 20	78
1811	Proxima's orbit around $\epsilon$ Centauri. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 598, L7	5.1 65
1810	Adapting astronomical source detection software to help detect animals in thermal images obtained by unmanned aerial systems. <b>2017</b> , 38, 2623-2638	47
1809	A Matched Filter Technique for Slow Radio Transient Detection and First Demonstration with the Murchison Widefield Array. <b>2017</b> , 153, 98	5
1808	The Grism Lens-Amplified Survey from Space (GLASS). XI. Detection of C iv in Multiple Images of the $z=6.11$ Ly $\alpha$ emitter behind RXC J2248.7-431. <b>2017</b> , 839, 17	39
1807	Detectability of compact binary merger macronovae. <b>2017</b> , 34, 104001	102
1806	Discovery and Physical Characterization of a Large Scattered Disk Object at 92 au. <b>2017</b> , 839, L15	24
1805	Tycho-Gaia Astrometric Solution Parallaxes and Proper Motions for Five Galactic Globular Clusters. <b>2017</b> , 839, 89	23
1804	Location of $\gamma$ emission and magnetic field strengths in OJ 287. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 597, A80	5.1 43
1803	Introducing Nightlight: A New FITS Viewer. <b>2017</b> , 129, 058003	1
1802	ALMA Observations of the Interaction of a Radio Jet with Molecular Gas in Minkowski's Object. <b>2017</b> , 838, 146	15
1801	Wide-field $^{12}\text{CO}$ ( $J=2\rightarrow 1$ ) and $^{13}\text{CO}$ ( $J=2\rightarrow 1$ ) Observations toward the Aquila Rift and Serpens Molecular Cloud Complexes. I. Molecular Clouds and Their Physical Properties. <b>2017</b> , 837, 154	15
1800	Reverberation Mapping of Optical Emission Lines in Five Active Galaxies. <b>2017</b> , 840, 97	57



1799	The Discovery and Origin of a Very High-velocity Cloud Toward M33. <b>2017</b> , 840, 65	2
1798	The Fermi Galactic Center GeV Excess and Implications for Dark Matter. <b>2017</b> , 840, 43	157
1797	Removing Visual Bias in Filament Identification: A New Goodness-of-fit Measure. <b>2017</b> , 840, L17	3
1796	Descattering of Giant Pulses in PSR B1957+20. <b>2017</b> , 840, L15	15
1795	Young Stars with SALT. <b>2017</b> , 840, 87	16
1794	Bolometric Light Curves of Peculiar Type II-P Supernovae. <b>2017</b> , 129, 044202	14
1793	Initial Estimates on the Performance of the LSST on the Detection of Eclipsing Binaries. <b>2017</b> , 129, 065003	4
1792	The RAVE-on Catalog of Stellar Atmospheric Parameters and Chemical Abundances for Chemo-dynamic Studies in the Gaia Era. <b>2017</b> , 840, 59	56
1791	Nebular Continuum and Line Emission in Stellar Population Synthesis Models. <b>2017</b> , 840, 44	119
1790	ATLASGAL-selected massive clumps in the inner Galaxy. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 599, A139	5.1 48
1789	Spherical Panoramas for Astrophysical Data Visualization. <b>2017</b> , 129, 058004	3
1788	Poking the Beehive from Space: K2 Rotation Periods for Praesepe. <b>2017</b> , 842, 83	63
1787	Thermal Feedback in the High-mass Star- and Cluster-forming Region W51. <b>2017</b> , 842, 92	28
1786	The Peculiar Multiwavelength Evolution Of V1535 Sco. <b>2017</b> , 842, 73	11
1785	Black Hole Growth Is Mainly Linked to Host-galaxy Stellar Mass Rather Than Star Formation Rate. <b>2017</b> , 842, 72	55
1784	Gamma-sky.net: Portal to the gamma-ray sky. <b>2017</b> ,	
1783	A New Spectral Feature on the Trailing Hemisphere of Europa at 3.78 $\mu$ m. <b>2017</b> , 153, 250	8
1782	First Millimeter Detection of the Disk around a Young, Isolated, Planetary-mass Object. <b>2017</b> , 841, L11	35

1781	Comoving Stars inGaiaDR1: An Abundance of Very Wide Separation Comoving Pairs. <b>2017</b> , 153, 257		93
1780	An atlas of exotic variability in IGR J17091B624: a comparison with GRS 1915+105. <b>2017</b> , 468, 4748-4771		17
1779	Unveiling the early-stage anatomy of a protocluster hub with ALMA. <b>2017</b> , 464, L31-L35		35
1778	The SLUGGS survey: dark matter fractions at large radii and assembly epochs of early-type galaxies from globular cluster kinematics. <b>2017</b> , 468, 3949-3964		33
1777	An ALMA survey of submillimetre galaxies in the COSMOS field: The extent of the radio-emitting region revealed by 3 GHz imaging with the Very Large Array. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 602, A54 <sup>5.1</sup>	5.1	21
1776	Improving and Assessing Planet Sensitivity of the GPI Exoplanet Survey with a Forward Model Matched Filter. <b>2017</b> , 842, 14		66
1775	The ALHAMBRA survey:B-band luminosity function of quiescent and star-forming galaxies at 0.2 $\bar{z}$ . <i>Astronomy and Astrophysics</i> , <b>2017</b> , 599, A62	5.1	12
1774	A Catalog ofGALEXUltraviolet Emission from Asymptotic Giant Branch Stars. <b>2017</b> , 841, 33		26
1773	TSAAnalyzer, a GNSS time series analysis software. <b>2017</b> , 21, 1389-1394		12
1772	An Application of Multi-band Forced Photometry to One Square Degree of SERVS: Accurate Photometric Redshifts and Implications for Future Science. <b>2017</b> , 230, 9		18
1771	A New Approach to Convective Core Overshooting: Probabilistic Constraints from ColorMagnitude Diagrams of LMC Clusters. <b>2017</b> , 841, 69		10
1770	Aperture-free star formation rate of SDSS star-forming galaxies. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 599, A71	5.1	28
1769	A Study of Quasar Selection in the Supernova Fields of the Dark Energy Survey. <b>2017</b> , 153, 107		17
1768	The Dense Molecular Gas and Nuclear Activity in the ULIRG IRAS 13120B453. <b>2017</b> , 835, 213		20
1767	High-mass Star Formation in the Outer ScutumCentaurus Arm. <b>2017</b> , 841, 121		11
1766	A DEEP PROPER MOTION CATALOG WITHIN THE SLOAN DIGITAL SKY SURVEY FOOTPRINT. II. THE WHITE DWARF LUMINOSITY FUNCTION. <b>2017</b> , 153, 10		22
1765	VIP: Vortex Image Processing Package for High-contrast Direct Imaging. <b>2017</b> , 154, 7		77
1764	A Radio-to-mm Census of Star-forming Galaxies in Protocluster 4C23.56 at $Z= 2.5$ : Gas Mass and Its Fraction Revealed with ALMA. <b>2017</b> , 842, 55		26

1763	The connection between supernova remnants and the Galactic magnetic field: An analysis of quasi-parallel and quasi-perpendicular cosmic-ray acceleration for the axisymmetric sample. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 597, A121	5.1	10
1762	galKin: A new compilation of Milky Way rotation curve data. <b>2017</b> , 6, 54-62		18
1761	Geographic and Annual Influences on Optical Follow-up of Gravitational Wave Events. <b>2017</b> , 838, 46		2
1760	The 2014 X-Ray Minimum of $\tau$ Carinae as Seen by Swift. <b>2017</b> , 838, 45		23
1759	Four Sub-Saturns with Dissimilar Densities: Windows into Planetary Cores and Envelopes. <b>2017</b> , 153, 142		74
1758	Orion revisited. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 598, A124	5.1	10
1757	The Molecular Gas Environment in the 20 km s <sup>-1</sup> Cloud in the Central Molecular Zone. <b>2017</b> , 839, 1		26
1756	Collisions of Terrestrial Worlds: The Occurrence of Extreme Mid-infrared Excesses around Low-mass Field Stars. <b>2017</b> , 153, 165		21
1755	Common Envelope Wind Tunnel: Coefficients of Drag and Accretion in a Simplified Context for Studying Flows around Objects Embedded within Stellar Envelopes. <b>2017</b> , 838, 56		58
1754	Was 49b: An Overmassive AGN in a Merging Dwarf Galaxy?. <b>2017</b> , 836, 183		12
1753	Radio Observations of the Tidal Disruption Event XMMSL1 J074085. <b>2017</b> , 837, 153		37
1752	Extragalactic Peaked-spectrum Radio Sources at Low Frequencies. <b>2017</b> , 836, 174		67
1751	First Results from the KMOS Lens-Amplified Spectroscopic Survey (KLASS): Kinematics of Lensed Galaxies at Cosmic Noon. <b>2017</b> , 838, 14		33
1750	Farthest Neighbor: The Distant Milky Way Satellite Eridanus II. <b>2017</b> , 838, 8		93
1749	K2 Ultracool Dwarfs Survey. I. Photometry of an L Dwarf Superflare. <b>2017</b> , 838, 22		15
1748	SPATIALLY RESOLVED SPECTROSCOPY OF EUROPA'S LARGE-SCALE COMPOSITIONAL UNITS AT 3 $\mu$ m WITH KECK NIRSPEC. <b>2017</b> , 153, 13		16
1747	Organized chaos: scatter in the relation between stellar mass and halo mass in small galaxies. <b>2017</b> , 464, 3108-3120		77
1746	The Repeating Fast Radio Burst FRB 121102 as Seen on Milliarcsecond Angular Scales. <b>2017</b> , 834, L8		238

1745	Circumstellar dust, PAHs and stellar populations in early-type galaxies: insights fromGALEXandWISE. <b>2017</b> , 464, 3920-3936	9
1744	Herschel-ATLAS: revealing dust build-up and decline across gas, dust and stellar mass selected samples II. Scaling relations. <b>2017</b> , 464, 4680-4705	36
1743	Galaxy Zoo: morphological classifications for 120'000 galaxies inHSTlegacy imaging. <b>2017</b> , 464, 4176-4203	38
1742	Architecture of the Andromeda galaxy: a quantitative analysis of clustering in the inner stellar halo. <b>2017</b> , 464, 4858-4865	2
1741	ON CORRELATED-NOISE ANALYSES APPLIED TO EXOPLANET LIGHT CURVES. <b>2017</b> , 153, 3	85
1740	Insights from Synthetic Star-forming Regions. I. Reliable Mock Observations from SPH Simulations. <b>2017</b> , 233, 1	9
1739	Virgo Redux: The Masses and Stellar Content of Nuclei in Early-type Galaxies from Multiband Photometry and Spectroscopy. <b>2017</b> , 849, 55	32
1738	The JCMT Transient Survey: Detection of Submillimeter Variability in a Class I Protostar EC 53 in Serpens Main. <b>2017</b> , 849, 69	31
1737	Integral Field Spectroscopy of Balmer-dominated Shocks in the Magellanic Cloud Supernova Remnant N103B. <b>2017</b> , 847, 122	14
1736	Detection and Implications of Laser-Induced Raman Scattering at Astronomical Observatories. <b>2017</b> , 7,	2
1735	Toward Space-like Photometric Precision from the Ground with Beam-shaping Diffusers. <b>2017</b> , 848, 9	60
1734	A Physical Model-based Correction for Charge Traps in theHubble Space Telescope's Wide Field Camera 3 Near-IR Detector and Its Applications to Transiting Exoplanets and Brown Dwarfs. <b>2017</b> , 153, 243	67
1733	No Difference in Orbital Parameters of RV-detected Giant Planets between 0.1 and 5 au in Single versus Multi-stellar Systems. <b>2017</b> , 153, 242	32
1732	Exploring the Efficacy and Limitations of Shock-cooling Models: New Analysis of Type II Supernovae Observed by theKeplerMission. <b>2017</b> , 848, 8	17
1731	Emulating Simulations of Cosmic Dawn for 21 cm Power Spectrum Constraints on Cosmology, Reionization, and X-Ray Heating. <b>2017</b> , 848, 23	52
1730	Chromospheric Activity of HAT-P-11: An Unusually Active Planet-hosting K Star. <b>2017</b> , 848, 58	36
1729	The Influence of Host Galaxies in Type Ia Supernova Cosmology. <b>2017</b> , 848, 56	20
1728	Galaxy Zoo: Major Galaxy Mergers Are Not a Significant Quenching Pathway. <b>2017</b> , 845, 145	19

1727	The Emergence of a Lanthanide-rich Kilonova Following the Merger of Two Neutron Stars. <b>2017</b> , 848, L27	353
1726	The Rapid Reddening and Featureless Optical Spectra of the Optical Counterpart of GW170817, AT 2017gfo, during the First Four Days. <b>2017</b> , 848, L32	93
1725	The Environment of the Binary Neutron Star Merger GW170817. <b>2017</b> , 848, L28	89
1724	The Distance to NGC 4993: The Host Galaxy of the Gravitational-wave Event GW170817. <b>2017</b> , 848, L31	67
1723	H-ATLAS/GAMA: magnification bias tomography. Astrophysical constraints above $\sim 1$ arcmin. <b>2017</b> , 2017, 024-024	13
1722	Early UV emission from disc-originated matter (DOM) in Type Ia supernovae in the double-degenerate scenario. <b>2017</b> , 470, 2510-2516	19
1721	Ultraviolet spectra of extreme nearby star-forming regions approaching a local reference sample for JWST. <b>2017</b> , 472, 2608-2632	86
1720	Galaxy Zoo and sparcfire: constraints on spiral arm formation mechanisms from spiral arm number and pitch angles. <b>2017</b> , 472, 2263-2279	29
1719	Stellar inventory of the solar neighbourhood using Gaia DR1. <b>2017</b> , 470, 1360-1387	80
1718	A large H $\alpha$ survey of star formation in relaxed and merging galaxy cluster environments at $z \sim 0.15$ . <b>2017</b> , 465, 2916-2935	22
1717	Expansion of Kes 73, A Shell Supernova Remnant Containing a Magnetar. <b>2017</b> , 846, 13	16
1716	Connecting X-ray absorption and 21 cm neutral hydrogen absorption in obscured radio AGN. <b>2017</b> , 471, 2952-2973	13
1715	Beyond the Kepler/K2 bright limit: variability in the seven brightest members of the Pleiades. <b>2017</b> , 471, 2882-2901	44
1714	Gaia Reveals a Metal-rich, in situ Component of the Local Stellar Halo. <b>2017</b> , 845, 101	99
1713	The PyCASSO database: spatially resolved stellar population properties for CALIFA galaxies. <b>2017</b> , 471, 3727-3752	33
1712	Activity and Kinematics of White Dwarf-M Dwarf Binaries from the SUPERBLINK Proper Motion Survey. <b>2017</b> , 154, 118	13
1711	The Green Bank Ammonia Survey: Dense Cores under Pressure in Orion A. <b>2017</b> , 846, 144	51
1710	The SAGA Survey. I. Satellite Galaxy Populations around Eight Milky Way Analogs. <b>2017</b> , 847, 4	109

1709	Measuring Filament Orientation: A New Quantitative, Local Approach. <b>2017</b> , 232, 6	2
1708	Mid-infrared Variability of Changing-look AGNs. <b>2017</b> , 846, L7	62
1707	Gaps and length asymmetry in the stellar stream Palomar 5 as effects of Galactic bar rotation. <b>2017</b> , 1, 633-639	54
1706	Accreting Double White Dwarf Binaries: Implications for LISA. <b>2017</b> , 846, 95	43
1705	On the Age of the TRAPPIST-1 System. <b>2017</b> , 845, 110	64
1704	High-mass Starless Clumps in the Inner Galactic Plane: The Sample and Dust Properties. <b>2017</b> , 231, 11	21
1703	Improving the full spectrum fitting method: accurate convolution with Gaussian Hermite functions. <b>2017</b> , 466, 798-811	515
1702	PHIBSS: exploring the dependence of the CO <sub>2</sub> conversion factor on total mass surface density at z. <b>2017</b> , 467, 4886-4901	15
1701	First Demonstration of ECHO: an External Calibrator for Hydrogen Observatories. <b>2017</b> , 129, 035002	14
1700	Monitoring Telluric Absorption with CAMAL. <b>2017</b> , 129, 085002	8
1699	Not so lumpy after all: modelling the depletion of dark matter subhaloes by Milky Way-like galaxies'. <b>2017</b> , 471, 1709-1727	173
1698	The chemistry of episodic accretion in embedded objects. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 604, A15	5.1 20
1697	H i and cosmological constraints from intensity mapping, optical and CMB surveys. <b>2017</b> , 470, 4251-4260	36
1696	Corral framework: Trustworthy and fully functional data intensive parallel astronomical pipelines. <b>2017</b> , 20, 140-154	3
1695	Arm and interarm abundance gradients in CALIFA spiral galaxies. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 603, A113	5.1 21
1694	Prediction of a Red Nova Outburst in KIC 9832227. <b>2017</b> , 840, 1	22
1693	Discovery of a dual active galactic nucleus with ~8 kpc separation. <b>2017</b> , 470, L49-L53	27
1692	K2 Ultracool Dwarfs Survey. II. The White Light Flare Rate of Young Brown Dwarfs. <b>2017</b> , 845, 33	31

1691	VLA Radio Observations of the HST Frontier Fields Cluster Abell 2744: The Discovery of New Radio Relics. <b>2017</b> , 845, 81	29
1690	Discerning dark energy models with high redshift standard candles. <b>2017</b> , 472, 1413-1420	3
1689	Prospects for the detection of high-energy ( $E > 25$ GeV) Fermi pulsars with the Cherenkov Telescope Array. <b>2017</b> , 471, 431-446	3
1688	A millimeter Continuum Size-Luminosity Relationship for Protoplanetary Disks. <b>2017</b> , 845, 44	113
1687	The metallicity and star formation activity of long gamma-ray burst hosts for $z' < 2$ . <b>2017</b> , 469, 4921-4932	9
1686	The Circumgalactic Medium. <b>2017</b> , 55, 389-432	389
1685	1I/2017 U1 (Dumua) is Hot: Imaging, Spectroscopy, and Search of Meteor Activity. <b>2017</b> , 851, L5	67
1684	THE PANCHROMATIC HUBBLE ANDROMEDA TREASURY. XVII. EXAMINING OBSCURED STAR FORMATION WITH SYNTHETIC ULTRAVIOLET FLUX MAPS IN M31. <b>2017</b> , 834, 70	8
1683	UNTANGLING THE NEAR-IR SPECTRAL FEATURES IN THE PROTOPLANETARY ENVIRONMENT OF KH 15D. <b>2017</b> , 834, 119	7
1682	HST/COS OBSERVATIONS OF IONIZED GAS ACCRETION AT THE DISK-BALLOON INTERFACE OF M33. <b>2017</b> , 834, 179	26
1681	Lessons from the Onset of a Common Envelope Episode: the Remarkable M31 2015 Luminous Red Nova Outburst. <b>2017</b> , 835, 282	56
1680	A Mote in Andromeda's Disk: A Misidentified Periodic AGN behind M31. <b>2017</b> , 850, 86	13
1679	Discovery of Diffuse Dwarf Galaxy Candidates around M101. <b>2017</b> , 850, 109	43
1678	Giant Ly $\alpha$ Nebulae in the Illustris Simulation. <b>2017</b> , 835, 207	12
1677	A Spatially Resolved Study of Cold Dust, Molecular Gas, H ii Regions, and Stars in the $z = 2.12$ Submillimeter Galaxy ALESS67.1. <b>2017</b> , 846, 108	52
1676	Linking the X3D Pathway to Integral Field Spectrographs: YSNR 1E 0102.2-7219 in the SMC as a Case Study. <b>2017</b> , 129, 058012	9
1675	LSSGalPy: Interactive Visualization of the Large-scale Environment Around Galaxies. <b>2017</b> , 129, 058005	3
1674	Evidence That the Directly Imaged Planet HD 131399 Ab Is a Background Star. <b>2017</b> , 154, 218	41

1673	A Multiwavelength Study of Nearby Millisecond Pulsar PSR J1400-431: Improved Astrometry and an Optical Detection of Its Cool White Dwarf Companion. <b>2017</b> , 847, 25	12
1672	The Green Bank Ammonia Survey: Observations of Hierarchical Dense Gas Structures in Cepheus-L1251. <b>2017</b> , 850, 3	13
1671	Insights from Synthetic Star-forming Regions. II. Verifying Dust Surface Density, Dust Temperature, and Gas Mass Measurements With Modified Blackbody Fitting. <b>2017</b> , 849, 1	5
1670	AGN Populations in Large-volume X-Ray Surveys: Photometric Redshifts and Population Types Found in the Stripe 82X Survey. <b>2017</b> , 850, 66	33
1669	Revealing Black Holes with Gaia. <b>2017</b> , 850, L13	32
1668	A Multi-telescope Campaign on FRB 121102: Implications for the FRB Population. <b>2017</b> , 850, 76	125
1667	Resynchronization of the Asynchronous Polar CD Ind. <b>2017</b> , 129, 044204	9
1666	The local nanohertz gravitational-wave landscape from supermassive black hole binaries. <b>2017</b> , 1, 886-892	69
1665	pyLIMA: An Open-source Package for Microlensing Modeling. I. Presentation of the Software and Analysis of Single-lens Models. <b>2017</b> , 154, 203	39
1664	Morphology Dependence of Stellar Age in Quenched Galaxies at Redshift $\sim 1.2$ : Massive Compact Galaxies Are Older than More Extended Ones. <b>2017</b> , 838, 94	30
1663	Project AMIGA: A Minimal Covering Factor for Optically Thick Circumgalactic Gas around the Andromeda Galaxy. <b>2017</b> , 846, 141	10
1662	The Survey of Lines in M31 (SLIM): The Drivers of the [C ii]/TIR Variation. <b>2017</b> , 842, 128	10
1661	(Almost) Dark Galaxies in the ALFALFA Survey: Isolated H i-bearing Ultra-diffuse Galaxies. <b>2017</b> , 842, 133	110
1660	An artificial neural network to discover hypervelocity stars: candidates in Gaia DR1/TGAS. <b>2017</b> , 470, 1388-1403	19
1659	Mining Hubble Space Telescope images. <b>2017</b> ,	3
1658	ALMA Observations of Asymmetric Molecular Gas Emission from a Protoplanetary Disk in the Orion Nebula. <b>2017</b> , 153, 233	3
1657	Kinematics of the ionized and molecular gas in nearby luminous infrared interacting galaxies. <b>2017</b> , 465, 3461-3474	4
1656	Identifying tools for comparing simulations and observations of spectral-line data cubes. <b>2017</b> , 471, 1506-1530	17



1655	Disentangling the Circumnuclear Environs of Centaurus A. III. An Inner Molecular Ring, Nuclear Shocks, and the CO to Warm H <sub>2</sub> Interface. <b>2017</b> , 843, 136		22
1654	A Three-dimensional View of Turbulence: Constraints on Turbulent Motions in the HD 163296 Protoplanetary Disk Using DCO+. <b>2017</b> , 843, 150		156
1653	Star Formation at $z = 2.481$ in the Lensed Galaxy SDSS J1110+6459. II. What is Missed at the Normal Resolution of the Hubble Space Telescope?. <b>2017</b> , 843, 79		20
1652	The JCMT Transient Survey: Data Reduction and Calibration Methods. <b>2017</b> , 843, 55		20
1651	ATLASGAL-selected massive clumps in the inner Galaxy. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 603, A33	5.1	40
1650	The Green Bank Ammonia Survey: First Results of NH <sub>3</sub> Mapping of the Gould Belt. <b>2017</b> , 843, 63		92
1649	Are merging black holes born from stellar collapse or previous mergers?. <b>2017</b> , 95,		154
1648	Galaxy Zoo: the interplay of quenching mechanisms in the group environment?. <b>2017</b> , 469, 3670-3687		30
1647	Observational Evidence for High Neutronization in Supernova Remnants: Implications for Type Ia Supernova Progenitors. <b>2017</b> , 843, 35		26
1646	The MUSCLES Treasury Survey. IV. Scaling Relations for Ultraviolet, Ca II K, and Energetic Particle Fluxes from M Dwarfs. <b>2017</b> , 843, 31		60
1645	$z \sim 2$ : An Epoch of Disk Assembly. <b>2017</b> , 843, 46		57
1644	Massive black hole binary mergers in dynamical galactic environments. <b>2017</b> , 464, 3131-3157		80
1643	Galaxy Zoo: quantitative visual morphological classifications for 48'000 galaxies from CANDELS. <b>2017</b> , 464, 4420-4447		51
1642	Galaxy gas as obscurer II. GRBs x-ray galaxies and find an $N_{\text{H}} \propto M_{\text{star}}^{-1}$ relation. <b>2017</b> , 464, 4545-4566		24
1641	Mid-infrared spectra of comet nuclei. <b>2017</b> , 284, 344-358		14
1640	The SAMI Galaxy Survey: spatially resolving the environmental quenching of star formation in GAMA galaxies. <b>2017</b> , 464, 121-142		54
1639	Making a case for open research: Implications for reproducibility and transparency. <b>2017</b> , 54, 583-586		5
1638	A study of the effects of faint dust comae on the spectra of asteroids. <b>2017</b> , 468, 1556-1566		4

1637	Infrared Morphology of Regions of Ionized Hydrogen. <b>2017</b> , 61, 1015-1030	6
1636	The statistical challenge of constraining the low-mass IMF in Local Group dwarf galaxies. <b>2017</b> , 468, 319-332	18
1635	A distributed learning architecture for big imaging problems in astrophysics. <b>2017</b> ,	
1634	Diverse stellar haloes in nearby Milky Way mass disc galaxies. <b>2017</b> , 466, 1491-1512	65
1633	On the possible triple central star system of PN SuWt 2: no mBage ̄trois at the heart of the Wedding Ring. <b>2017</b> , 466, 2034-2038	10
1632	Herschelfar-infrared photometry of the Swift Burst Alert Telescope active galactic nuclei sample of the local universe III. Global star-forming properties and the lack of a connection to nuclear activity. <b>2017</b> , 466, 3161-3183	36
1631	XMMNewton observations of the peculiar cataclysmic variable Lanning 386: X-ray evidence for a magnetic primary. <b>2017</b> , 466, 2202-2211	5
1630	The Survey of Centaurus´A´s Baryonic Structures (SCABS) III. The extended globular cluster system of NGC 5128 and its nearby environment. <b>2017</b> , 469, 3444-3467	17
1629	Galaxy Zoo: finding offset discs and bars in SDSS galaxies?. <b>2017</b> , 469, 3363-3373	14
1628	UVI colour gradients of 0.4´. <b>2017</b> , 469, 4063-4082	22
1627	Modelling the luminosities and sizes of radio sources: radio luminosity function at $z = 6$ . <b>2017</b> , 469, 4083-4094	18
1626	Gaia 1 and 2. A pair of new Galactic star clusters. <b>2017</b> , 470, 2702-2709	52
1625	Stellar disc truncations and extended haloes in face-on spiral galaxies. <b>2017</b> , 470, 427-444	13
1624	A GMOS-N IFU study of the central H ii region in the blue compact dwarf galaxy NGC 4449: kinematics, nebular metallicity and star formation?. <b>2017</b> , 470, 4618-4637	14
1623	The First Billion Years project: constraining the dust attenuation law of star-forming galaxies at $z ? 5$ . <b>2017</b> , 470, 3006-3026	52
1622	H0LiCOW III. Spectroscopic survey and galaxy-group identification of the strong gravitational lens system HE 0435-223. <b>2017</b> , 470, 4838-4857	39
1621	Star-forming galaxies in intermediate-redshift clusters: stellar versus dynamical masses of luminous compact blue galaxies. <b>2017</b> , 470, 4382-4396	2
1620	Large-scale retrospective relative spectrophotometric self-calibration in space. <b>2017</b> , 467, 3677-3698	5

1619	HOLiCOW III. Quantifying the effect of mass along the line of sight to the gravitational lens HE 0435-223 through weighted galaxy counts?. <b>2017</b> , 467, 4220-4242	70
1618	Low-resolution near-infrared spectroscopic signatures of unresolved ultracool companions to M dwarfs. <b>2017</b> , 467, 5001-5021	2
1617	the-wizz: clustering redshift estimation for everyone. <b>2017</b> , 467, 3576-3589	33
1616	VLT/FORS2 comparative transmission spectroscopy II: Confirmation of a cloud deck and Rayleigh scattering in WASP-31b, but no potassium?. <b>2017</b> , 467, 4591-4605	61
1615	The Fan Region at 1.5 GHz II. Polarized synchrotron emission extending beyond the Perseus Arm. <b>2017</b> , 467, 4631-4646	16
1614	Cosmology with XMM galaxy clusters: the X-CLASS/GROND catalogue and photometric redshifts. <b>2017</b> , 468, 662-684	9
1613	A measurement of the $z=0$ UV background from H $\beta$ fluorescence. <b>2017</b> , 467, 4802-4816	34
1612	Search for exoplanets around pulsating stars of AB type in Kepler short-cadence data and the case of KIC 8197761. <b>2017</b> , 467, 4663-4673	35
1611	The mass distribution of Population III stars. <b>2017</b> , 468, 418-425	18
1610	Constraints on AGN feedback from its Sunyaev-Zel'dovich imprint on the cosmic background radiation. <b>2017</b> , 468, 577-596	17
1609	The WAGGS project II. The WiFeS Atlas of Galactic Globular cluster Spectra. <b>2017</b> , 468, 3828-3849	21
1608	Rayleigh scattering in the transmission spectrum of HAT-P-18b. <b>2017</b> , 468, 3907-3916	34
1607	The redshift evolution of major merger triggering of luminous AGNs: a slight enhancement at $z \sim 2$ . <b>2017</b> , 470, 755-770	27
1606	MARXS: A Modular Software to Ray-trace X-Ray Instrumentation. <b>2017</b> , 154, 243	8
1605	Spectroscopic binaries in the Solar Twin Planet Search program: from substellar mass to M dwarf companions. <b>2017</b> , 472, 3425-3436	9
1604	The chemistry of protoplanetary fragments formed via gravitational instabilities. <b>2017</b> , 472, 189-204	43
1603	Simultaneous low- and high-mass star formation in a massive protocluster: ALMA observations of G11.920.61?. <b>2017</b> , 468, 3694-3708	35
1602	The Northern arc of $\beta$ Eridani's Debris Ring as seen by ALMA. <b>2017</b> , 469, 3200-3212	57

1601	Supermassive black holes in disc-dominated galaxies outgrow their bulges and co-evolve with their host galaxies. <b>2017</b> , 470, 1559-1569	22
1600	The MUSE view of the host galaxy of GRB 100316D. <b>2017</b> , 472, 4480-4496	26
1599	Towards a new classification of galaxies: principal component analysis of CALIFA circular velocity curves. <b>2017</b> , 469, 2539-2594	22
1598	Know the Planet, Know the Star: Precise Stellar Densities from Kepler Transit Light Curves. <b>2017</b> , 154, 228	33
1597	Data Reduction and Image Reconstruction Techniques for Non-redundant Masking. <b>2017</b> , 233, 9	5
1596	MASSIVE STAR FORMATION IN THE LMC. I. N159 AND N160 COMPLEXES. <b>2017</b> , 834, 122	1
1595	The First Simultaneous X-Ray/Radio Detection of the First Be/BH System MWC 656. <b>2017</b> , 835, L33	20
1594	Insights from Synthetic Star-forming Regions. III. Calibration of Measurement and Techniques of Star Formation Rates. <b>2017</b> , 849, 2	9
1593	Molecular Gas Kinematics and Star Formation Properties of the Strongly-lensed Quasar Host Galaxy RXS J1131-231. <b>2017</b> , 836, 180	9
1592	Col-OSSOS: Colors of the Interstellar Planetesimal 1/Dumumua. <b>2017</b> , 851, L38	75
1591	An Optically Faint Quasar Survey at $z \sim 5$ in the CFHTLS Wide Field: Estimates of the Black Hole Masses and Eddington Ratios. <b>2017</b> , 846, 57	6
1590	A New, Large-scale Map of Interstellar Reddening Derived from H I Emission. <b>2017</b> , 846, 38	56
1589	On Estimation of Contamination from Hydrogen Cyanide in Carbon Monoxide Line-intensity Mapping. <b>2017</b> , 846, 60	8
1588	The Starspots of HAT-P-11: Evidence for a Solar-like Dynamo. <b>2017</b> , 846, 99	72
1587	A 1.4 deg <sup>2</sup> blind survey for C II], C III] and C IV at $z \sim 0.7-1.5$ . Nature, morphologies and equivalent widths. <b>2017</b> , 471, 2558-2574	12
1586	A 1.4 deg <sup>2</sup> blind survey for C II], C III] and C IV at $z \sim 0.7-1.5$ . Luminosity functions and cosmic average line ratios. <b>2017</b> , 471, 2575-2586	6
1585	Using dust, gas and stellar mass-selected samples to probe dust sources and sinks in low-metallicity galaxies. <b>2017</b> , 471, 1743-1765	48
1584	A Widespread, Clumpy Starburst in the Isolated Ongoing Dwarf Galaxy Merger dm1647+21. <b>2017</b> , 846, 74	17

1583	A closer look at the characteristic width of molecular cloud filaments. <b>2017</b> , 466, 2529-2541	48
1582	On the use of variability time-scales as an early classifier of radio transients and variables. <b>2017</b> , 471, 3788-3805	3
1581	MALT-45: A 7 mm survey of the southern Galaxy III. ATCA follow-up observations of 44 GHz class I methanol masers. <b>2017</b> , 471, 3915-3954	14
1580	Characterization of the ionosphere above the Murchison Radio Observatory using the Murchison Widefield Array. <b>2017</b> , 471, 3974-3987	29
1579	Siriusly, a newly identified intermediate-age Milky Way stellar cluster: a spectroscopic study of Gaia 1. <b>2017</b> , 471, 4087-4098	8
1578	On the Rotation Period and Shape of the Hyperbolic Asteroid 11/Dumumua (2017 U1) from Its Lightcurve. <b>2017</b> , 851, L31	41
1577	The Herschel ATLAS Data Release 2, Paper I. Submillimeter and Far-infrared Images of the South and North Galactic Poles: The Largest Herschel Survey of the Extragalactic Sky. <b>2017</b> , 233, 26	28
1576	Periodic eclipses of the young star PDS 110 discovered with WASP and KELT photometry. <b>2017</b> , 471, 740-749	33
1575	The Hydrangea simulations: galaxy formation in and around massive clusters. <b>2017</b> , 470, 4186-4208	114
1574	BoEs-HiZELS: an optical to near-infrared survey of emission-line galaxies at $z \sim 0.4$ . <b>2017</b> , 471, 629-649	31
1573	BAT AGN Spectroscopic Survey. I. Spectral Measurements, Derived Quantities, and AGN Demographics. <b>2017</b> , 850, 74	138
1572	The fundamental stellar parameters of FGK stars in the SEEDS survey Norman, OK 73071, USA. <b>2017</b> , 472, 1736-1752	5
1571	ESO 452BC11: the lowest mass globular cluster with a potential chemical inhomogeneity. <b>2017</b> , 472, 2856-2868	15
1570	The varying mass distribution of molecular clouds across M83. <b>2017</b> , 468, 1769-1781	50
1569	Initial Mass Function Variability (or Not) among Low-velocity Dispersion, Compact Stellar Systems. <b>2017</b> , 850, L14	18
1568	Star-forming Environments throughout the M101 Group. <b>2017</b> , 851, 51	9
1567	Forward Modeling of Large-scale Structure: An Open-source Approach with Halotools. <b>2017</b> , 154, 190	73
1566	The Unusual Apparition of Comet 252P/2000 G1 (LINEAR) and Comparison with Comet P/2016 BA14 (PanSTARRS). <b>2017</b> , 154, 136	12

1565	Trident: A Universal Tool for Generating Synthetic Absorption Spectra from Astrophysical Simulations. <b>2017</b> , 847, 59	42
1564	Accretion Disk Assembly During Common Envelope Evolution: Implications for Feedback and LIGO Binary Black Hole Formation. <b>2017</b> , 845, 173	34
1563	A Tale of Two Transients: GW 170104 and GRB 170105A. <b>2017</b> , 845, 152	24
1562	New Low-mass Eclipsing Binary Systems in Praesepe Discovered byK2. <b>2017</b> , 849, 11	71
1561	Three-phase Interstellar Medium in Galaxies Resolving Evolution with Star Formation and Supernova Feedback (TIGRESS): Algorithms, Fiducial Model, and Convergence. <b>2017</b> , 846, 133	84
1560	The FluxCompensator: Making Radiative Transfer Models of Hydrodynamical Simulations Directly Comparable to Real Observations. <b>2017</b> , 849, 3	8
1559	Detection of 36 GHz Class I Methanol Maser Emission toward NGC 4945. <b>2017</b> , 846, 156	15
1558	Buried AGNs in Advanced Mergers: Mid-infrared Color Selection as a Dual AGN Candidate Finder. <b>2017</b> , 848, 126	48
1557	The Small Magellanic Cloud Investigation of Dust and Gas Evolution (SMIDGE): The Dust Extinction Curve from Red Clump Stars. <b>2017</b> , 847, 102	13
1556	A 2500 deg <sup>2</sup> CMB Lensing Map from Combined South Pole Telescope andPlanckData. <b>2017</b> , 849, 124	33
1555	Mapping the Ly $\alpha$ Emission around $z \sim 6.6$ QSO with MUSE: Extended Emission and a Companion at a Close Separation. <b>2017</b> , 848, 78	32
1554	Spectral Variability of Two Rapidly Rotating Brown Dwarfs: 2MASS J08354256-0819237 and 2MASS J18212815+1414010. <b>2017</b> , 849, 163	6
1553	The JCMT Transient Survey: Identifying Submillimeter Continuum Variability over Several Year Timescales Using Archival JCMT Gould Belt Survey Observations. <b>2017</b> , 849, 107	16
1552	ALMA Observations of a Quiescent Molecular Cloud in the Large Magellanic Cloud. <b>2017</b> , 850, 139	19
1551	An Infrared Census of DUST in Nearby Galaxies withSpitzer(DUSTINGS). IV. Discovery of High-redshift AGB Analogs. <b>2017</b> , 851, 152	22
1550	FRB 121102 Is Coincident with a Star-forming Region in Its Host Galaxy. <b>2017</b> , 843, L8	98
1549	Testing the Recovery of Intrinsic Galaxy Sizes and Masses of $z \sim 2$ Massive Galaxies Using Cosmological Simulations. <b>2017</b> , 844, L6	18
1548	The Little Cub: Discovery of an Extremely Metal-poor Star-forming Galaxy in the Local Universe. <b>2017</b> , 845, L22	17

1547	BAT AGN Spectroscopic Survey. V. X-Ray Properties of the Swift /BAT 70-month AGN Catalog. <b>2017</b> , 233, 17	190
1546	Variable Dynamics in the Inner Disk of HD 135344B Revealed with Multi-epoch Scattered Light Imaging. <b>2017</b> , 849, 143	37
1545	Eight new luminous $z \approx 6$ quasars discovered via SED model fitting of VISTA, WISE and Dark Energy Survey Year 1 observations. <b>2017</b> , 468, 4702-4718	66
1544	The Extended IRTF Spectral Library: Expanded Coverage in Metallicity, Temperature, and Surface Gravity. <b>2017</b> , 230, 23	44
1543	Dwarf galaxy mass estimators versus cosmological simulations. <b>2017</b> , 472, 4786-4796	19
1542	Can planet formation resolve the dust budget crisis in high-redshift galaxies?. <b>2017</b> , 472, 2289-2296	19
1541	The inmitigable nature of assembly bias: the impact of halo definition on assembly bias. <b>2017</b> , 472, 1088-1105	30
1540	Extremely late photometry of the nearby SN 2011fe. <b>2017</b> , 472, 2534-2542	22
1539	The Architecture of the GW Ori Young Triple-star System and Its Disk: Dynamical Masses, Mutual Inclinations, and Recurrent Eclipses. <b>2017</b> , 851, 132	15
1538	Witnessing galaxy assembly in an extended $z \approx 8$ structure. <b>2017</b> , 471, 3686-3698	27
1537	Towards a consistent model for both the H I and stellar mass functions of galaxies. <b>2017</b> , 472, 1981-1990	6
1536	The gravitational wave background from massive black hole binaries in Illustris: spectral features and time to detection with pulsar timing arrays. <b>2017</b> , 471, 4508-4526	58
1535	Determination of Dark Matter Halo Mass from Dynamics of Satellite Galaxies. <b>2017</b> , 850, 116	17
1534	Dissecting the active galactic nucleus in Circinus II. Peculiar mid-IR morphology explained by a dusty hollow cone. <b>2017</b> , 472, 3854-3870	39
1533	The Araucaria Project: The Distance to the Fornax Dwarf Galaxy from Near-infrared Photometry of RR Lyrae Stars. <b>2017</b> , 154, 263	16
1532	Real-time colouring and filtering with graphics shaders. <b>2017</b> , 471, 3323-3346	4
1531	The ultracompact nature of the black hole candidate X-ray binary 47 Tuc X9. <b>2017</b> , 467, 2199-2216	54
1530	Parallel computation of magnetic field parameters from HMI active region patches. <b>2017</b> ,	1

1529	Multiwavelength Stellar Polarimetry of the Filamentary Cloud IC5146. I. Dust Properties. <b>2017</b> , 849, 157		15
1528	The planetary nebula IC 4776 and its post-common-envelope binary central star. <b>2017</b> , 471, 3529-3546		15
1527	Wide binaries in Tycho-Gaia: search method and the distribution of orbital separations. <b>2017</b> , 472, 675-699		59
1526	The deep OB star population in Carina from the VST Photometric H $\alpha$ Survey (VPHAS+). <b>2017</b> , 465, 1807-1830		18
1525	The structural and size evolution of star-forming galaxies over the last 11 Gyr. <b>2017</b> , 465, 2717-2733		24
1524	Galaxy Zoo: star formation versus spiral arm number. <b>2017</b> , 468, 1850-1863		14
1523	Do individual Spitzer young stellar object candidates enclose multiple UKIDSS sources?. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 598, A136	5.1	6
1522	Hydrogen in diffuse molecular clouds in the Milky Way. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 600, A2	5.1	13
1521	Estimating extinction using unsupervised machine learning. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 601, A137	5.1	11
1520	TOPCAT: Desktop Exploration of Tabular Data for Astronomy and Beyond. <b>2017</b> , 4, 18		7
1519	The Universality of the Rapid Neutron-capture Process Revealed by a Possible Disrupted Dwarf Galaxy Star. <b>2017</b> , 850, 179		10
1518	The Extended Baryonic Halo of NGC 3923. <b>2017</b> , 5, 29		2
1517	Multi-epoch observations with high spatial resolution of multiple T Tauri systems. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 603, A74	5.1	9
1516	Average Spectral Properties of Type Ia Supernova Host Galaxies. <b>2017</b> , 850, 135		5
1515	Deep Chandra observations of the stripped galaxy group falling into Abell 2142. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 605, A25	5.1	26
1514	Very Low-mass Stars and Brown Dwarfs in Upper Scorpius Using Gaia DR1: Mass Function, Disks, and Kinematics. <b>2017</b> , 154, 256		17
1513	The VIMOS Ultra-Deep Survey: A major merger origin for the high fraction of galaxies at $z \sim 2$ . <i>Astronomy and Astrophysics</i> , <b>2017</b> , 608, A16	5.1	24
1512	The MUSE Hubble Ultra Deep Field Survey. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 608, A4	5.1	36



1511	The spatially resolved star formation history of CALIFA galaxies. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 608, A27	5.1	47
1510	Two NIRC2 Channels are Better than One: How JWST Can Do More Science with NIRC2 and Short-wavelength Dispersed Hartmann Sensor. <b>2017</b> , 129, 015001		14
1509	Deep Subaru Hyper Suprime-Cam Observations of Milky Way Satellites Columba I and Triangulum II. <b>2017</b> , 154, 267		25
1508	Evidence for azimuthal variations of the oxygen-abundance gradient tracing the spiral structure of the galaxy HCG 91c. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 601, A61	5.1	33
1507	Multi-Site Simultaneous Time-Resolved Photometry with a Low Cost Electro-Optics System. <b>2017</b> , 17,		3
1506	Measurement of picometer-scale mirror dynamics. <b>2017</b> , 56, 6457-6465		5
1505	ZFIRE: using H $\alpha$ equivalent widths to investigate the in situ initial mass function at $z \sim 2$ . <b>2017</b> , 468, 3071-3108		15
1504	The spin rates of O stars in WR + O binaries II. Motivation, methodology, and first results from SALT. <b>2017</b> , 464, 2066-2074		18
1503	A modular set of synthetic spectral energy distributions for young stellar objects. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 600, A11	5.1	44
1502	Radiative age mapping of the remnant radio galaxy B2 0924+30: the LOFAR perspective. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 600, A65	5.1	20
1501	bRing: An observatory dedicated to monitoring the $\beta$ Pictoris b Hill sphere transit. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 607, A45	5.1	14
1500	Galaxy and Mass Assembly (GAMA): active galactic nuclei in pairs of galaxies. <b>2017</b> , 465, 2671-2686		28
1499	Temperature structure and kinematics of the IRDC G035.3900.33. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 606, A133	5.1	19
1498	Galactocentric variation of the gas-to-dust ratio and its relation with metallicity. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 606, L12	5.1	34
1497	Massive close pairs measure rapid galaxy assembly in mergers at high redshift. <b>2017</b> , 468, 207-216		47
1496	Mass distribution in the core of MACS J1206. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 607, A93	5.1	33
1495	A broad perspective on multiple abundance populations in the globular cluster NGC 1851. <b>2017</b> , 465, 1123-1136		15
1494	VDES J2325B229 $z = 2.7$ gravitationally lensed quasar discovered using morphology-independent supervised machine learning. <b>2017</b> , 465, 4325-4334		54

1493	Modeling 237 Lyman- $\beta$ spectra of the MUSE-Wide survey. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 608, A139	5.1	36
1492	Polarized scattered light from self-luminous exoplanets. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 607, A42	5.1	30
1491	Observational calibration of the projection factor of Cepheids. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 600, A127	5.1	24
1490	A companion on the planet/brown dwarf mass boundary on a wide orbit discovered by gravitational microlensing. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 604, A103	5.1	10
1489	LSDCat: Detection and cataloguing of emission-line sources in integral-field spectroscopy datacubes. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 602, A111	5.1	35
1488	[Fe XIV] and [Fe XI] reveal the forward shock in SNR 1E 0102.2-7219. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 602, L4	5.1	15
1487	Detecting unresolved binary stars in Euclid VIS images. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 606, A119	5.1	2
1486	The faint radio sky: VLBA observations of the COSMOS field. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 607, A133-1	5.1	29
1485	The production and escape of Lyman-Continuum radiation from star-forming galaxies at $z \sim 2$ and their redshift evolution. <b>2017</b> , 465, 3637-3655		58
1484	The convective surface of the red supergiant Antares. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 605, A108	5.1	5
1483	Spectroscopic and photometric oscillatory envelope variability during the S Doradus outburst of the luminous blue variable R71. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 608, A124	5.1	12
1482	The origin of the enhanced metallicity of satellite galaxies. <b>2017</b> , 464, 508-529		27
1481	HELP: xid+, the probabilistic de-blender for HerschelSPIRE maps. <b>2017</b> , 464, 885-896		66
1480	Non-parametric morphologies of mergers in the Illustris simulation. <b>2017</b> , 465, 1106-1122		9
1479	Illuminating the past 8 billion years of cold gas towards two gravitationally lensed quasars. <b>2017</b> , 465, 4450-4467		21
1478	A consistent measure of the merger histories of massive galaxies using close-pair statistics II. Major mergers at $z'$ . <b>2017</b> , 470, 3507-3531		64
1477	Searching for faint comoving companions to the Centauri system in the VVV survey infrared images. <b>2017</b> , 472, 3952-3958		17
1476	X-ray observations of FO Aqr during the 2016 low state. <b>2017</b> , 469, 956-967		10

1475	TRUST. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 603, A114	5.1	22
1474	StarHorse: a Bayesian tool for determining stellar masses, ages, distances, and extinctions for field stars. <b>2018</b> , 476, 2556-2583		94
1473	Improving time-delay cosmography with spatially resolved kinematics. <b>2018</b> , 473, 210-226		40
1472	Stochastic Order Redshift Technique (SORT): a simple, efficient and robust method to improve cosmological redshift measurements. <b>2018</b> , 473, 366-379		1
1471	Simulating Radio Emission from Low-mass Stars. <b>2018</b> , 854, 7		12
1470	Kronos and Krios: Evidence for Accretion of a Massive, Rocky Planetary System in a Comoving Pair of Solar-type Stars. <b>2018</b> , 854, 138		54
1469	Wandering off the centre: a characterization of the random motion of intermediate-mass black holes in star clusters. <b>2018</b> , 475, 1574-1586		10
1468	Morphology and Kinematics of Filaments in the Serpens and Perseus Molecular Clouds. <b>2018</b> , 853, 169		29
1467	Atmospheric stellar parameters for large surveys using FASMA, a new spectral synthesis package. <b>2018</b> , 473, 5066-5097		13
1466	ChromaStarPy: A Stellar Atmosphere and Spectrum Modeling and Visualization Lab in Python. <b>2018</b> , 854, 82		2
1465	The Ly $\alpha$ Reference Sample. VIII. Characterizing Ly $\alpha$ Scattering in Nearby Galaxies. <b>2018</b> , 852, 9		8
1464	Search for Dark Matter Annihilation in Galaxy Groups. <b>2018</b> , 120, 101101		28
1463	Stellar Population Synthesis of Star-forming Clumps in Galaxy Pairs and Non-interacting Spiral Galaxies. <b>2018</b> , 234, 35		5
1462	On the Nature of Ultra-faint Dwarf Galaxy Candidates. I. DES1, Eridanus III, and Tucana V. <b>2018</b> , 852, 68		29
1461	Gaia17biu/SN 2017egm in NGC 3191: The Closest Hydrogen-poor Superluminous Supernova to Date Is in a Normal, Massive, Metal-rich Spiral Galaxy. <b>2018</b> , 853, 57		46
1460	Spectroscopic Observations of the Outflowing Wind in the Lensed Quasar SDSS J1001+5027. <b>2018</b> , 854, 69		5
1459	Continuum Reverberation Mapping of the Accretion Disks in Two Seyfert 1 Galaxies. <b>2018</b> , 854, 107		32
1458	Precise Time Delays from Strongly Gravitationally Lensed Type Ia Supernovae with Chromatically Microlensed Images. <b>2018</b> , 855, 22		43

1457	Precision Orbit of Delphini and Prospects for Astrometric Detection of Exoplanets. <b>2018</b> , 855, 1	9
1456	The Next Generation Transit Survey (NGTS). <b>2018</b> , 475, 4476-4493	127
1455	The Next Generation Fornax Survey (NGFS). II. The Central Dwarf Galaxy Population. <b>2018</b> , 855, 142	47
1454	Modelling the gas kinematics of an atypical Ly $\alpha$ emitting compact dwarf galaxy. <b>2018</b> , 474, 12-19	2
1453	Detecting outliers and learning complex structures with large spectroscopic surveys: a case study with APOGEE stars. <b>2018</b> , 476, 2117-2136	22
1452	First Results from the Herschel and ALMA Spectroscopic Surveys of the SMC: The Relationship between [C ii]-bright Gas and CO-bright Gas at Low Metallicity. <b>2018</b> , 853, 111	18
1451	The fraction of AGNs in major merger galaxies and its luminosity dependence. <b>2018</b> , 476, 2308-2317	21
1450	SALT HRS discovery of a long-period double-degenerate binary in the planetary nebula NGC 1360. <b>2018</b> , 473, 2275-2287	15
1449	A Survey of CH <sub>3</sub> CN and HC <sub>3</sub> N in Protoplanetary Disks. <b>2018</b> , 857, 69	61
1448	Hyperactivity and Dust Composition of Comet 103P/Hartley 2 During the EPOXI Encounter. <b>2018</b> , 155, 199	6
1447	From Actinides to Zinc: Using the Full Abundance Pattern of the Brightest Star in Reticulum II to Distinguish between Different r-process Sites. <b>2018</b> , 856, 138	39
1446	Spotting stellar activity cycles in Gaia astrometry. <b>2018</b> , 476, 5408-5416	11
1445	The Mass and Absorption Columns of Galactic Gaseous Halos. <b>2018</b> , 856, 5	24
1444	Slicing COSMOS with SC4K: the evolution of typical Ly $\alpha$ emitters and the Ly $\alpha$ escape fraction from $z \sim 2$ to 6. <b>2018</b> , 476, 4725-4752	58
1443	Identification of the central compact object in the young supernova remnant 1E 0102.2-2119. <b>2018</b> , 2, 465-471	14
1442	Detecting Weak Spectral Lines in Interferometric Data through Matched Filtering. <b>2018</b> , 155, 182	42
1441	Dark Energy Survey Year 1 Results: The Photometric Data Set for Cosmology. <b>2018</b> , 235, 33	150
1440	Two-fluid dusty shocks: simple benchmarking problems and applications to protoplanetary discs. <b>2018</b> , 476, 3185-3194	5

1439	Mapping the Tidal Destruction of the Hercules Dwarf: A Wide-field DECam Imaging Search for RR Lyrae Stars. <b>2018</b> , 852, 44	28
1438	Turbulence in the TW Hya Disk. <b>2018</b> , 856, 117	109
1437	Phase Curves of WASP-33b and HD 149026b and a New Correlation between Phase Curve Offset and Irradiation Temperature. <b>2018</b> , 155, 83	79
1436	The need for speed: escape velocity and dynamical mass measurements of the Andromeda galaxy. <b>2018</b> , 475, 4043-4054	29
1435	Linking black hole growth with host galaxies: the accretion–stellar mass relation and its cosmic evolution. <b>2018</b> , 475, 1887-1911	43
1434	A stellar census in globular clusters with MUSE: The contribution of rotation to cluster dynamics studied with 200 000 stars. <b>2018</b> , 473, 5591-5616	117
1433	Investigating the Binarity of S0-2: Implications for Its Origins and Robustness as a Probe of the Laws of Gravity around a Supermassive Black Hole. <b>2018</b> , 854, 12	36
1432	Discovery of 36 eclipsing EL CVn binaries found by the Palomar Transient Factory. <b>2018</b> , 475, 2560-2590	19
1431	Gravitational instability of filamentary molecular clouds, including ambipolar diffusion; non-isothermal filament. <b>2018</b> , 475, 2632-2641	5
1430	LOFAR/H-ATLAS: the low-frequency radio luminosity–star formation rate relation. <b>2018</b> , 475, 3010-3028	52
1429	Zodiacal Exoplanets in Time (ZEIT). VI. A Three-planet System in the Hyades Cluster Including an Earth-sized Planet. <b>2018</b> , 155, 4	67
1428	2MASS J11151597+1937266: A Young, Dusty, Isolated, Planetary-mass Object with a Potential Wide Stellar Companion. <b>2018</b> , 853, 75	3
1427	The Dusty Galactic Center as Seen by SCUBA-2. <b>2018</b> , 234, 22	22
1426	A Testable Conspiracy: Simulating Baryonic Effects on Self-interacting Dark Matter Halos. <b>2018</b> , 853, 109	48
1425	Characterising and identifying galaxy protoclusters. <b>2018</b> , 474, 4612-4628	20
1424	Planck Sunyaev–Zel’dovich cluster mass calibration using Hyper Suprime-Cam weak lensing. <b>2018</b> , 70,	29
1423	The GALEX /S 4 G Surface Brightness and Color Profiles Catalog. I. Surface Photometry and Color Gradients of Galaxies. <b>2018</b> , 234, 18	15
1422	Distributed Cosmic Ray Detection Using Cloud Computing. <b>2018</b> , 414-429	1

1421	The kinematics of the Scorpius-Centaurus OB association from Gaia DR1. <b>2018</b> , 476, 381-398	77
1420	CO and Dust Properties in the TW Hya Disk from High-resolution ALMA Observations. <b>2018</b> , 852, 122	92
1419	DESCQA: An Automated Validation Framework for Synthetic Sky Catalogs. <b>2018</b> , 234, 36	13
1418	Mapping low-frequency carbon radio recombination lines towards Cassiopeia A at 340, 148, 54, and 43 MHz. <b>2018</b> , 475, 2496-2511	11
1417	KVN observations reveal multiple Far emission regions in 3C 84?. <b>2018</b> , 475, 368-378	23
1416	Detection of a westward hotspot offset in the atmosphere of hot gas giant CoRoT-2b. <b>2018</b> , 2, 220-227	59
1415	Meeting the Cool Neighbors. XII. An Optically Anchored Analysis of the Near-infrared Spectra of L Dwarfs. <b>2018</b> , 155, 34	24
1414	Pipeline for the Detection of Serendipitous Stellar Occultations by Kuiper Belt Objects with the Colibri Fast-photometry Array. <b>2018</b> , 130, 014502	8
1413	The GALFA-H i Survey Data Release 2. <b>2018</b> , 234, 2	44
1412	APO Time-resolved Color Photometry of Highly Elongated Interstellar Object 1I/Dumamua. <b>2018</b> , 852, L2	70
1411	On the Mass and Luminosity Functions of Tidal Disruption Flares: Rate Suppression due to Black Hole Event Horizons. <b>2018</b> , 852, 72	58
1410	PaSD-qc: quality control for single cell whole-genome sequencing data using power spectral density estimation. <b>2018</b> , 46, e20	11
1409	Characterization and photometric performance of the Hyper Suprime-Cam Software Pipeline. <b>2018</b> , 70,	63
1408	High-mass Star Formation through Filamentary Collapse and Clump-fed Accretion in G22. <b>2018</b> , 852, 12	36
1407	Hierarchical Fragmentation in the Perseus Molecular Cloud: From the Cloud Scale to Protostellar Objects. <b>2018</b> , 853, 5	31
1406	Spatially Resolved Stellar Kinematics from LEGA-C: Increased Rotational Support in $z \sim 0.8$ Quiscent Galaxies. <b>2018</b> , 858, 60	34
1405	Superresolution Interferometric Imaging with Sparse Modeling Using Total Squared Variation: Application to Imaging the Black Hole Shadow. <b>2018</b> , 858, 56	25
1404	Star-forming Galaxies as AGN Imposters? A Theoretical Investigation of the Mid-infrared Colors of AGNs and Extreme Starbursts. <b>2018</b> , 858, 38	21

1403	Interplanetary Scintillation with the Murchison Widefield Array I: a sub-arcsecond survey over 900 deg <sup>2</sup> at 79 and 158 MHz. <b>2018</b> , 473, 2965-2983	13
1402	Ionized gas kinematics in bipolar H ii regions. <b>2018</b> , 478, 3530-3543	7
1401	The dipole anisotropy of AllWISE galaxies. <b>2018</b> , 477, 1772-1781	10
1400	Single sources in the low-frequency gravitational wave sky: properties and time to detection by pulsar timing arrays. <b>2018</b> , 477, 964-976	30
1399	On the Nature of Ultra-faint Dwarf Galaxy Candidates. II. The Case of Cetus II. <b>2018</b> , 857, 70	14
1398	Illuminating Low Surface Brightness Galaxies with the Hyper Suprime-Cam Survey. <b>2018</b> , 857, 104	94
1397	ALMA observations of the narrow HR 4796A debris ring. <b>2018</b> , 475, 4924-4938	26
1396	Investigating the diversity of supernovae type Ia: a MUSE and NOT spectroscopic study of their environments. <b>2018</b> , 473, 1359-1387	31
1395	Integrating human and machine intelligence in galaxy morphology classification tasks. <b>2018</b> , 476, 5516-5534	32
1394	Global Properties of M31's Stellar Halo from the SPLASH Survey. III. Measuring the Stellar Velocity Dispersion Profile. <b>2018</b> , 852, 128	19
1393	Near-infrared Stellar Populations in the Metal-poor, Dwarf Irregular Galaxies Sextans A and Leo A. <b>2018</b> , 854, 117	13
1392	An L+T Spectral Binary with Possible AB Doradus Kinematics. <b>2018</b> , 854, 101	4
1391	The Extraordinary Outburst in the Massive Protostellar System NGC 6334I-MM1: Emergence of Strong 6.7 GHz Methanol Masers. <b>2018</b> , 854, 170	43
1390	One Percent Determination of the Primordial Deuterium Abundance. <b>2018</b> , 855, 102	196
1389	Possible Photometric Signatures of Moderately Advanced Civilizations: The Clarke Exobelt. <b>2018</b> , 855, 110	13
1388	Advanced Diagnostics for the Study of Linearly Polarized Emission. II. Application to Diffuse Interstellar Radio Synchrotron Emission. <b>2018</b> , 855, 29	13
1387	iPTF Archival Search for Fast Optical Transients. <b>2018</b> , 854, L13	14
1386	Cosmic evolution and metal aversion in superluminous supernova host galaxies. <b>2018</b> , 473, 1258-1285	88

1385	Kinematics, turbulence, and star formation of $z \sim 1$ strongly lensed galaxies seen with MUSE. <b>2018</b> , 477, 18-44	27
1384	Awakening the BALROG: BAYesian Location Reconstruction Of GRBs. <b>2018</b> , 476, 1427-1444	15
1383	The California-KeplerSurvey. IV. Metal-rich Stars Host a Greater Diversity of Planets. <b>2018</b> , 155, 89	168
1382	Distributed Star Formation throughout the Galactic Center Cloud Sgr B2. <b>2018</b> , 853, 171	55
1381	Quasar microlensing models with constraints on the Quasar light curves. <b>2018</b> , 473, 616-620	
1380	Stellar Multiplicity Meets Stellar Evolution and Metallicity: The APOGEE View. <b>2018</b> , 854, 147	64
1379	The Sloan Digital Sky Survey Reverberation Mapping Project: The CIV Blueshift, Its Variability, and Its Dependence Upon Quasar Properties. <b>2018</b> , 854, 128	25
1378	Rapid Evolution of the Gaseous Exoplanetary Debris around the White Dwarf Star HE 1349-305. <b>2018</b> , 854, 40	35
1377	A Gaussian Mixture Model for Nulling Pulsars. <b>2018</b> , 855, 14	5
1376	The Optical/Near-infrared Extinction Law in Highly Reddened Regions. <b>2018</b> , 855, 13	20
1375	Filamentary Fragmentation and Accretion in High-mass Star-forming Molecular Clouds. <b>2018</b> , 855, 9	53
1374	Massive Outflows Associated with ATLASGAL Clumps. <b>2018</b> , 235, 3	25
1373	The Atacama Cosmology Telescope: The Two-season ACTPol Sunyaev-Zeldovich Effect Selected Cluster Catalog. <b>2018</b> , 235, 20	93
1372	The NuSTAR Extragalactic Surveys: Source Catalog and the Compton-thick Fraction in the UDS Field. <b>2018</b> , 235, 17	15
1371	HFF-DeepSpace Photometric Catalogs of the 12 Hubble Frontier Fields, Clusters, and Parallels: Photometry, Photometric Redshifts, and Stellar Masses. <b>2018</b> , 235, 14	38
1370	A UV-to-NIR Study of Molecular Gas in the Dust Cavity around RY Lupi. <b>2018</b> , 855, 98	12
1369	2004 EW 95 : A Phyllosilicate-bearing Carbonaceous Asteroid in the Kuiper Belt. <b>2018</b> , 855, L26	8
1368	Fundamental Properties of Co-moving Stars Observed byGaia. <b>2018</b> , 155, 149	10



1367	The First Hours of the GW170817 Kilonova and the Importance of Early Optical and Ultraviolet Observations for Constraining Emission Models. <b>2018</b> , 855, L23	57
1366	On the Gas Content and Efficiency of AGN Feedback in Low-redshift Quasars. <b>2018</b> , 854, 158	46
1365	A VLT/MUSE galaxy survey towards QSO Q1410: looking for a WHIM traced by BLAs in inter-cluster filaments?. <b>2018</b> , 477, 2991-3013	4
1364	Microlensing makes lensed quasar time delays significantly time variable. <b>2018</b> , 473, 80-90	50
1363	Mapping extragalactic dark matter annihilation with galaxy surveys: A systematic study of stacked group searches. <b>2018</b> , 97,	22
1362	The VLA Nascent Disk And Multiplicity Survey of Perseus Protostars (VANDAM). III. Extended Radio Emission from Protostars in Perseus. <b>2018</b> , 852, 18	14
1361	The EDGEALIFA survey: the influence of galactic rotation on the molecular depletion time across the Hubble sequence. <b>2018</b> , 475, 1791-1808	36
1360	Planet Four: Terrains Discovery of araneiforms outside of the South Polar layered deposits. <b>2018</b> , 308, 148-187	14
1359	The New Horizons and Hubble Space Telescope search for rings, dust, and debris in the Pluto-Charon system. <b>2018</b> , 301, 155-172	9
1358	Transit visibility zones of the Solar system planets. <b>2018</b> , 473, 345-354	26
1357	Ships Passing in the Night: Spectroscopic Analysis of Two Ultra-faint Satellites in the Constellation Carina. <b>2018</b> , 857, 145	38
1356	Reassessing Exoplanet Light Curves with a Thermal Model. <b>2018</b> , 156, 28	9
1355	The Pan-STARRS1 Proper-motion Survey for Young Brown Dwarfs in Nearby Star-forming Regions. I. Taurus Discoveries and a Reddening-free Classification Method for Ultracool Dwarfs. <b>2018</b> , 858, 41	22
1354	The Gould's Belt Distances Survey (GOBELINS). IV. Distance, Depth, and Kinematics of the Taurus Star-forming Region. <b>2018</b> , 859, 33	61
1353	Chemodynamical Clustering Applied to APOGEE Data: Rediscovering Globular Clusters. <b>2018</b> , 860, 70	9
1352	Assessing the Impact of Astrochemistry on Molecular Cloud Turbulence Statistics. <b>2018</b> , 860, 157	7
1351	Optically Thick H i Does Not Dominate Dark Gas in the Local ISM. <b>2018</b> , 862, 131	25
1350	Actions Are Weak Stellar Age Indicators in the Milky Way Disk. <b>2018</b> , 867, 31	8

1349	Mapping Lyman Continuum Escape in Tololo 1247032. <b>2018</b> , 867, 2		9
1348	Superluminous Supernovae in LSST: Rates, Detection Metrics, and Light-curve Modeling. <b>2018</b> , 869, 166		26
1347	The low-frequency radio eclipses of the black widow pulsar J1810+1744. <b>2018</b> , 476, 1968-1981		30
1346	3D shape of Orion A from Gaia DR2. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 619, A106	5.1	73
1345	ZFOURGE: Using Composite Spectral Energy Distributions to Characterize Galaxy Populations at 1 2018, 863, 131		18
1344	Constraints on accretion disk size in the massive type 1 quasar PG 2308+098 from optical continuum reverberation lags. <b>2018</b> , 70,		8
1343	Prediction of astrometric microlensing events from Gaia DR2 proper motions. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 620, A175	5.1	9
1342	Refraction in exoplanet atmospheres. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 609, A90	5.1	3
1341	Probing the Southern Fermi Bubble in Ultraviolet Absorption Using Distant AGNs. <b>2018</b> , 860, 98		18
1340	The Disk Substructures at High Angular Resolution Project (DSHARP). V. Interpreting ALMA Maps of Protoplanetary Disks in Terms of a Dust Model. <b>2018</b> , 869, L45		115
1339	Bound Outflows, Unbound Ejecta, and the Shaping of Bipolar Remnants during Stellar Coalescence. <b>2018</b> , 868, 136		45
1338	Shocked POststarburst Galaxy Survey. III. The Ultraviolet Properties of SPOGs. <b>2018</b> , 863, 28		3
1337	A Model for Clumpy Self-enrichment in Globular Clusters. <b>2018</b> , 863, 99		13
1336	Stellar Population Diagnostics of the Massive Star Binary Fraction. <b>2018</b> , 867, 125		13
1335	The Distribution and Excitation of CH <sub>3</sub> CN in a Solar Nebula Analog. <b>2018</b> , 859, 131		42
1334	The Next Generation Fornax Survey (NGFS). IV. Mass and Age Bimodality of Nuclear Clusters in the Fornax Core Region. <b>2018</b> , 860, 4		26
1333	Searching for the Lowest-metallicity Galaxies in the Local Universe. <b>2018</b> , 863, 134		18
1332	Scaling Relations Associated with Millimeter Continuum Sizes in Protoplanetary Disks. <b>2018</b> , 865, 157		70

1331	Wide-field Optical Spectroscopy of Abell 133: A Search for Filaments Reported in X-Ray Observations. <b>2018</b> , 867, 25		16
1330	Rotating Stars from Kepler Observed with Gaia DR2. <b>2018</b> , 868, 151		20
1329	Shocked Interstellar Clouds and Dust Grain Destruction in the LMC Supernova Remnant N132D. <b>2018</b> , 237, 10		12
1328	COLOSSUS: A Python Toolkit for Cosmology, Large-scale Structure, and Dark Matter Halos. <b>2018</b> , 239, 35		141
1327	astroplan: An Open Source Observation Planning Package in Python. <b>2018</b> , 155, 128		27
1326	Stellar masses, metallicity gradients, and suppressed star formation revealed in a new sample of absorption selected galaxies. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 618, A129	5.1	17
1325	Power spectrum multipoles on the curved sky: an application to the 6-degree Field Galaxy Survey. <b>2018</b> , 479, 5168-5183		24
1324	A detection of the environmental dependence of the sizes and stellar haloes of massive central galaxies. <b>2018</b> , 480, 521-537		16
1323	A case study of triggered star formation in Cygnus X. <b>2018</b> , 481, 1862-1872		2
1322	Testing strong line metallicity diagnostics at $z \sim 2$ . <b>2018</b> , 481, 3520-3533		12
1321	Kepler K2 observations of the transitional millisecond pulsar PSR J1023+0038. <b>2018</b> , 477, 1120-1132		22
1320	Constraining the Anomalous Microwave Emission Mechanism in the S140 Star-forming Region with Spectroscopic Observations between 4 and 8 GHz at the Green Bank Telescope. <b>2018</b> , 864, 97		1
1319	The Disk Substructures at High Angular Resolution Project (DSHARP). VII. The PlanetDisk Interactions Interpretation. <b>2018</b> , 869, L47		194
1318	The XXL Survey. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 620, A13	5.1	11
1317	Discovery of three strongly lensed quasars in the Sloan Digital Sky Survey. <b>2018</b> , 477, L70-L74		13
1316	An Isothermal Outflow in High-mass Star-forming Region G240.31+0.07. <b>2018</b> , 860, 106		4
1315	New Evidence for the Dusty Wind Model: Polar Dust and a Hot Core in the Type-1 Seyfert ESO 323-G77. <b>2018</b> , 862, 17		30
1314	A Dense Companion to the Short-period Millisecond Pulsar Binary PSR J0636+5128. <b>2018</b> , 864, 15		16

1313	MOSFiT: Modular Open Source Fitter for Transients. <b>2018</b> , 236, 6	73
1312	ALMACAL III. A combined ALMA and MUSE survey for neutral, molecular, and ionized gas in an H I-absorption-selected system. <b>2018</b> , 475, 492-507	21
1311	The detection of intergalactic H I emission from the Slug Nebula at $z \sim 2.3$ . <b>2018</b> , 480, 2094-2108	12
1310	The origin of the Blue tilt of globular cluster populations in the E-MOSAICS simulations. <b>2018</b> , 480, 3279-3301	28
1309	$\Lambda$ CDM predictions for the satellite population of M33. <b>2018</b> , 480, 1883-1897	10
1308	The utility of Ly $\alpha$ emission lines as a probe of interactions between high redshift galaxies and their environments. <b>2018</b> , 480, 1938-1949	2
1307	Constraining the nature of DG Tau AB thermal and non-thermal radio emission. <b>2018</b> , 481, 5532-5542	4
1306	Dusty galaxies in the Epoch of Reionization: simulations. <b>2018</b> , 477, 552-565	58
1305	GPI Spectra of HR 8799 c, d, and e from 1.5 to 2.4 $\mu$ m with KLIP Forward Modeling. <b>2018</b> , 155, 226	36
1304	Binary Companions of Evolved Stars in APOGEE DR14: Search Method and Catalog of $\sim 5000$ Companions. <b>2018</b> , 156, 18	1182
1303	An Ice Giant Exoplanet Interpretation of the Anomaly in Microlensing Event OGLE-2011-BLG-0173. <b>2018</b> , 156, 104	8
1302	Models of Tidally Induced Gas Filaments in the Magellanic Stream. <b>2018</b> , 857, 101	25
1301	Herschel PACS Observations of $400$ Myr Old Classical T Tauri Stars in Orion OB1. <b>2018</b> , 859, 1	9
1300	CLUMP-3D: Three-dimensional Shape and Structure of 20 CLASH Galaxy Clusters from Combined Weak and Strong Lensing. <b>2018</b> , 860, 126	19
1299	X-Ray Variability from the Ultraluminous Black Hole Candidate X-Ray Binary in the Globular Cluster RZ 2109. <b>2018</b> , 862, 108	10
1298	Runaway Coalescence at the Onset of Common Envelope Episodes. <b>2018</b> , 863, 5	41
1297	Long-lived Protoplanetary Disks in Multiple Systems: The VLA View of HD 98800. <b>2018</b> , 865, 77	6
1296	Internal Structures of Molecular Clouds in the LMC Revealed by ALMA. <b>2018</b> , 867, 166	8

1295	Don't Blink: Constraining the Circumstellar Environment of the Interacting Type Ia Supernova 2015cp. <b>2018</b> , 868, 21		6
1294	The 2016 Outburst of PSR J1119-6127: Cooling and a Spin-down-dominated Glitch. <b>2018</b> , 869, 180		13
1293	Searching for Short-timescale Variability in the Ultraviolet with the GALEX gPhoton Archive. I. Artifacts and Spurious Periodicities. <b>2018</b> , 238, 25		4
1292	A Synthetic Sample of Short-cadence Solar-like Oscillators for TESS. <b>2018</b> , 239, 34		10
1291	A Universal Break in the Planet-to-star Mass-ratio Function of Kepler MKG Stars. <b>2018</b> , 856, L28		24
1290	1D Kinematics from Stars and Ionized Gas at $z \sim 0.8$ from the LEGA-C Spectroscopic Survey of Massive Galaxies. <b>2018</b> , 868, L36		12
1289	Constraining physical conditions for the PDR of Trumpler 14 in the Carina Nebula. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 618, A53	5.1	14
1288	Redshifted broad absorption line quasars found via machine-learned spectral similarity. <b>2018</b> , 480, 3889-3897		6
1287	Clear and Cloudy Exoplanet Forecasts for JWST: Maps, Retrieved Composition, and Constraints on Formation with MIRI and NIRCam. <b>2018</b> , 156, 40		19
1286	Scientific Domain Knowledge Improves Exoplanet Transit Classification with Deep Learning. <b>2018</b> , 869, L7		37
1285	Optical High-resolution Spectroscopy of 14 Young Rich Stars. <b>2018</b> , 860, 49		10
1284	Hunting for Radio Emission from the Intermittent Pulsar J1107-5907 at Low Frequencies. <b>2018</b> , 869, 134		7
1283	The convective photosphere of the red supergiant CE Tauri. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 614, A12	5.1	11
1282	OH absorption in the first quadrant of the Milky Way as seen by THOR. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 618, A159	5.1	12
1281	Evolution of the anti-truncated stellar profiles of S0 galaxies since $z = 0.6$ in the SHARDS survey. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 615, A26	5.1	3
1280	The HP2 Survey. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 620, A24	5.1	6
1279	The VMC survey. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 613, L8	5.1	14
1278	The less significant role of large-scale environment than optical AGN in nearby, isolated elliptical galaxies. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 620, A117	5.1	3

1277	Primordial deuterium abundance at $z \approx 2:504$ towards Q1009+2956. <b>2018</b> , 1038, 012012		10
1276	ALMA Observations toward the Starburst Dwarf Galaxy NGC 5253. I. Molecular Cloud Properties and Scaling Relations. <b>2018</b> , 864, 120		14
1275	VIS3COS. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 620, A186	5.1	19
1274	The evolution of X-ray bursts in the Bursting Pulsar GRO J1744-08. <b>2018</b> , 481, 2273-2298		6
1273	3D mapping of young stars in the solar neighbourhood with Gaia DR2. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 620, A172	5.1	62
1272	Multiple star systems in the Orion nebula. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 620, A116	5.1	10
1271	Vaex: big data exploration in the era of Gaia. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 618, A13	5.1	24
1270	Photometric Study of Comet C/2014 S2 (PANSTARRS) After the Perihelion. <b>2018</b> , 122, 53-71		2
1269	Gaia DR2 study of Herbig Ae/Be stars. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 620, A128	5.1	74
1268	MOPSS. I. Flat Optical Spectra for the Hot Jupiters WASP-4 b and WASP-52b. <b>2018</b> , 156, 122		12
1267	The MAVERIC Survey: A Transitional Millisecond Pulsar Candidate in Terzan 5. <b>2018</b> , 864, 28		14
1266	The VLA Nascent Disk and Multiplicity Survey of Perseus Protostars (VANDAM). IV. Free-Free Emission from Protostars: Links to Infrared Properties, Outflow Tracers, and Protostellar Disk Masses. <b>2018</b> , 238, 19		75
1265	Connecting young star clusters to CO molecular gas in NGC 7793 with ALMA/LEGUS. <b>2018</b> , 481, 1016-1027		41
1264	High-time-resolution Photometry of AR Scorpii: Confirmation of the White Dwarf Spin-down. <b>2018</b> , 156, 150		14
1263	Untangling Cosmic Magnetic Fields: Faraday Tomography at Metre Wavelengths with LOFAR. <b>2018</b> , 6, 126		9
1262	The MUSE Hubble Ultra Deep Field Survey. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 619, A27	5.1	38
1261	The XXL Survey. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 620, A19	5.1	6
1260	The Far-Infrared Radio Correlation at low radio frequency with LOFAR/H-ATLAS. <b>2018</b> , 480, 5625-5644		20

1259	The dependence of mass and environment on the secular processes of AGNs in terms of morphology, colour, and specific star-formation rate. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 620, A113	5.1	11
1258	The galaxy clustering crisis in abundance matching. <b>2018</b> , 477, 359-383		34
1257	SPHERE view of Wolf-Rayet 104. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 618, A108	5.1	8
1256	The kinematics of cluster galaxies via velocity dispersion profiles. <b>2018</b> , 481, 1507-1521		10
1255	The close circumstellar environment of Betelgeuse. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 609, A67	5.1	35
1254	Formation of S0s via disc accretion around high-redshift compact ellipticals. <b>2018</b> , 477, 2030-2041		17
1253	A low Lyman Continuum escape fraction of . <b>2018</b> , 478, 791-799		42
1252	Raman-scattered laser guide-star photons to monitor the scatter of astronomical telescope mirrors. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 618, L7	5.1	1
1251	The excitation mechanisms and evolutionary stages of UWISH2 planetary nebula candidates. <b>2018</b> , 480, 1563-1579		1
1250	Dac-Man: Data Change Management for Scientific Datasets on HPC systems. <b>2018</b> ,		3
1249	An ALMA study of the Orion Integral Filament. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 610, A77	5.1	108
1248	A Virgo Environmental Survey Tracing Ionised Gas Emission (VESTIGE). <i>Astronomy and Astrophysics</i> , <b>2018</b> , 614, A57	5.1	43
1247	The Power of Low Frequencies: Faraday Tomography in the Sub-GHz Regime. <b>2018</b> , 6, 112		5
1246	Small- and large-scale galactic conformity in SDSS DR7. <b>2018</b> , 480, 2031-2045		15
1245	V902 Monocerotis: A likely disc-accreting intermediate polar. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 617, A52	5.1	5
1244	Mapping the core of the Tarantula Nebula with VLT-MUSE. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 614, A147	5.1	19
1243	A Morphological Classification Model to Identify Unresolved PanSTARRS1 Sources: Application in the ZTF Real-time Pipeline. <b>2018</b> , 130, 128001		50
1242	New Rotation Period Measurements for M Dwarfs in the Southern Hemisphere: An Abundance of Slowly Rotating, Fully Convective Stars. <b>2018</b> , 156, 217		44

1241	On-the-fly Mapping of New Pulsars. <b>2018</b> , 156, 190		2
1240	Molecular Gas and Star Formation Properties in Early Stage Mergers: SMA CO(2-1) Observations of the LIRGs NGC 3110 and NGC 232. <b>2018</b> , 866, 77		9
1239	The NuSTAR Extragalactic Surveys: Unveiling Rare, Buried AGNs and Detecting the Contributors to the Peak of the Cosmic X-Ray Background. <b>2018</b> , 867, 162		4
1238	A Collection of New Dwarf Galaxies in NGC 5128's Western Halo. <b>2018</b> , 867, L15		13
1237	The host galaxy of the short GRB 111117A at $z = 2.211$ . <i>Astronomy and Astrophysics</i> , <b>2018</b> , 616, A48	5.1	15
1236	Refining the origins of the gamma-ray binary 1FGL J1018.6B856. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 619, A26	5.1	3
1235	The Dual Role of Starbursts and Active Galactic Nuclei in Driving Extreme Molecular Outflows. <b>2018</b> , 859, 35		15
1234	Binary Pulsar Distances and Velocities from Gaia Data Release 2. <b>2018</b> , 864, 26		29
1233	Boötes III is a Disrupting Dwarf Galaxy Associated with the Styx Stellar Stream. <b>2018</b> , 865, 7		18
1232	The Spatially Resolved Dust-to-metals Ratio in M101. <b>2018</b> , 865, 117		25
1231	A Study of Two Diffuse Dwarf Galaxies in the Field. <b>2018</b> , 866, 112		22
1230	Unveiling the environment and faint features of the isolated galaxy CIG 96 with deep optical and HI observations. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 619, A163	5.1	5
1229	Follow-up Imaging of Disk Candidates from the Disk Detective Citizen Science Project: New Discoveries and False Positives in WISE Circumstellar Disk Surveys. <b>2018</b> , 868, 43		9
1228	The Spectroscopic Hertzsprung-Russell Diagram of Hot Massive Stars in the Small Magellanic Cloud. <b>2018</b> , 868, 57		12
1227	The First Year of S-CUBED: The Swift Small Magellanic Cloud Survey. <b>2018</b> , 868, 47		14
1226	A Revised Exoplanet Yield from the Transiting Exoplanet Survey Satellite (TESS). <b>2018</b> , 239, 2		176
1225	The Dark Energy Survey: Data Release 1. <b>2018</b> , 239, 18		313
1224	Identifying Tidal Disruption Events via Prior Photometric Selection of Their Preferred Hosts. <b>2018</b> , 868, 99		9



1223	The 21-SPONGE H i Absorption Line Survey. I. The Temperature of Galactic H i. <b>2018</b> , 238, 14	42
1222	On the Interpretation of Far-infrared Spectral Energy Distributions. I. The 850 $\mu$ m Molecular Mass Estimator. <b>2018</b> , 867, 102	20
1221	The Dust-selected Molecular Clouds in the Northeast Region of the Small Magellanic Cloud. <b>2018</b> , 867, 117	1
1220	The Information Content in Cold Stellar Streams. <b>2018</b> , 867, 101	43
1219	A Transitional Disk around an Intermediate-mass Star in the Sparse Population of the Orion OB1 Association. <b>2018</b> , 867, 116	5
1218	Snakes on a Spaceship? An Overview of Python in Heliophysics. <b>2018</b> , 123, 10,384	11
1217	The Spectral Type of the Ionizing Stars and the Infrared Fluxes of HII Regions. <b>2018</b> , 62, 764-773	2
1216	A Large Moving Group within the Lower Centaurus Crux Association. <b>2018</b> , 868, 32	23
1215	The PAU Survey: a forward modeling approach for narrow-band imaging. <b>2018</b> , 2018, 035-035	7
1214	Dense Molecular Filaments Feeding a Starburst: ALMA Maps of CO(3 $\rightarrow$ 2) in Henize 210. <b>2018</b> , 867, 165	3
1213	When nature tries to trick us. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 619, A84	5.1 7
1212	The Seahorse Nebula: New views of the filamentary infrared dark cloud G304.74+01.32 from SABOCA, Herschel, and WISE. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 609, A123	5.1 4
1211	The California-Kepler Survey. VII. Precise Planet Radii Leveraging Gaia DR2 Reveal the Stellar Mass Dependence of the Planet Radius Gap. <b>2018</b> , 156, 264	243
1210	VERITAS Observations of the BL Lac Object TXS 0506+056. <b>2018</b> , 861, L20	19
1209	Inferring the star formation histories of massive quiescent galaxies with bagpipes: evidence for multiple quenching mechanisms. <b>2018</b> , 480, 4379-4401	111
1208	A Large Ground-based Observing Campaign of the Disintegrating Planet K2-22b. <b>2018</b> , 156, 227	7
1207	K2 Ultracool Dwarfs Survey. III. White Light Flares Are Ubiquitous in M6-L0 Dwarfs. <b>2018</b> , 858, 55	32
1206	An Ultra Metal-poor Star Near the Hydrogen-burning Limit. <b>2018</b> , 867, 98	20

1205	VLBA+GBT observations of the COSMOS field and radio source counts at 1.4 GHz. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 616, A128	5.1	4
1204	A Galaxy-scale Fountain of Cold Molecular Gas Pumped by a Black Hole. <b>2018</b> , 865, 13		55
1203	The Extraordinary Outburst in the Massive Protostellar System NGC 6334I-MM1: Flaring of the Water Masers in a North-South Bipolar Outflow Driven by MM1B. <b>2018</b> , 866, 87		29
1202	Y Dwarf Trigonometric Parallaxes from the Spitzer Space Telescope. <b>2018</b> , 867, 109		18
1201	A Search for the Host Galaxy of FRB 171020. <b>2018</b> , 867, L10		30
1200	Binary Companions of Evolved Stars in APOGEE DR14: Orbital Circularization. <b>2018</b> , 867, 5		19
1199	Mode Changing and Giant Pulses in the Millisecond Pulsar PSR B1957+20. <b>2018</b> , 867, L2		16
1198	Detection of 84 GHz Class I Methanol Maser Emission toward NGC 253. <b>2018</b> , 867, L4		4
1197	The Gaia DR2 view of the Gamma Velorum cluster: resolving the 6D structure. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 616, L12	5.1	27
1196	Confirmation of double peaked Ly $\alpha$ emission at $z = 6.593$ . <i>Astronomy and Astrophysics</i> , <b>2018</b> , 619, A136	5.1	46
1195	SDSS-IV MaNGA: spatially resolved star formation histories and the connection to galaxy physical properties. <b>2018</b> , 480, 2544-2561		22
1194	Diffuser-assisted Photometric Follow-up Observations of the Neptune-sized Planets K2-28b and K2-100b. <b>2018</b> , 156, 266		13
1193	Back to Normal for the Disintegrating Planet Candidate KIC 12557548 b. <b>2018</b> , 156, 281		4
1192	Extreme Asteroids in the Pan-STARRS 1 Survey. <b>2018</b> , 156, 282		4
1191	The HOSTS Survey Exozodiacal Dust Measurements for 30 Stars. <b>2018</b> , 155, 194		61
1190	Beryllium detection in the very fast nova ASASSN-16kt (V407 Lupi). <b>2018</b> , 478, 1601-1610		16
1189	The MAVERIC Survey: Still No Evidence for Accreting Intermediate-mass Black Holes in Globular Clusters. <b>2018</b> , 862, 16		55
1188	The SLUGGS Survey: The Inner Dark Matter Density Slope of the Massive Elliptical Galaxy NGC 1407. <b>2018</b> , 863, 130		14

1187	Cosmic happenstance: 24- $\mu$ m selected, multicomponent Herschel sources are line-of-sight projections. <b>2018</b> , 480, 4124-4137		3
1186	New member candidates of Upper Scorpius from Gaia DR1. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 618, A12	5.1	11
1185	Radio synchrotron spectra of star-forming galaxies. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 611, A55	5.1	35
1184	Detection of He I $\lambda$ 0830 A absorption on HD 189733 b with CARMENES high-resolution transmission spectroscopy. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 620, A97	5.1	80
1183	Observational constraints on the physical nature of submillimetre source multiplicity: chance projections are common. <b>2018</b> , 476, 2278-2287		19
1182	Disentangling dark physics with cosmic microwave background experiments. <b>2018</b> , 98,		8
1181	Nowhere to Hide: Radio-faint AGN in GOODS-N field. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 619, A48	5.1	8
1180	TensorFit a tool to analyse spectral cubes in a tensor mode. <b>2018</b> , 25, 195-202		
1179	The Serpens filament at the onset of slightly supercritical collapse. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 620, A62	5.1	10
1178	The Disk Substructures at High Angular Resolution Project (DSHARP). II. Characteristics of Annular Substructures. <b>2018</b> , 869, L42		217
1177	The Disk Substructures at High Angular Resolution Project (DSHARP). III. Spiral Structures in the Millimeter Continuum of the Elias 27, IM Lup, and WaOph 6 Disks. <b>2018</b> , 869, L43		87
1176	Multiwavelength approach to classifying transient events in the direction of M 31. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 615, A152	5.1	2
1175	The Massive and Distant Clusters of WISE Survey. IV. The Distribution of Active Galactic Nuclei in Galaxy Clusters at $z \sim 1$ . <b>2018</b> , 869, 131		10
1174	Substellar and low-mass dwarf identification with near-infrared imaging space observatories. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 620, A132	5.1	5
1173	Search for dark matter annihilation in the Milky Way halo. <b>2018</b> , 98,		16
1172	Gathering dust: A galaxy-wide study of dust emission from cloud complexes in NGC 300. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 612, A81	5.1	2
1171	Embedded AGN and star formation in the central 80 pc of IC 3639. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 611, A46	5.1	3
1170	Comprehensive Analysis of HD 105, A Young Solar System Analog. <b>2018</b> , 869, 10		9

1169	G11.920.61 MM 1: A Fragmented Keplerian Disk Surrounding a Proto-O Star. <b>2018</b> , 869, L24		36
1168	Mining the Kilo-Degree Survey for solar system objects. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 610, A21	5.1	13
1167	Magnification Bias of Distant Galaxies in the Hubble Frontier Fields: Testing Wave Versus Particle Dark Matter Predictions. <b>2018</b> , 862, 156		11
1166	Temperature constraints from inversions of synthetic solar optical, UV, and radio spectra. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 620, A124	5.1	21
1165	Towards a Framework for Offering Remote Sensing Data in an Analysis-Ready Format. <b>2018</b> ,		1
1164	The shape of oxygen abundance profiles explored with MUSE: evidence for widespread deviations from single gradients. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 609, A119	5.1	79
1163	The impact of Lyman- $\gamma$ radiative transfer on large-scale clustering in the Illustris simulation. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 614, A31	5.1	17
1162	DustPedia: Multiwavelength photometry and imagery of 875 nearby galaxies in 42 ultraviolet-microwave bands. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 609, A37	5.1	52
1161	Environmental quenching of low-mass field galaxies. <b>2018</b> , 477, 4491-4498		26
1160	Kinetic Tomography. II. A Second Method for Mapping the Velocity Field of the Milky Way Interstellar Medium and a Comparison with Spiral Structure Models. <b>2018</b> , 156, 248		6
1159	A Redshift-independent Efficiency Model: Star Formation and Stellar Masses in Dark Matter Halos at $z \approx 4$ . <b>2018</b> , 868, 92		88
1158	LISA verification binaries with updated distances from Gaia Data Release 2. <b>2018</b> , 480, 302-309		75
1157	The causes of the red sequence, the blue cloud, the green valley, and the green mountain. <b>2018</b> , 481, 1183-1194		18
1156	A model-independent comparison of the variability of accreting neutron stars and black holes. <b>2018</b> , 481, 3761-3781		4
1155	Source selection for cluster weak lensing measurements in the Hyper Suprime-Cam survey. <b>2018</b> , 70,		23
1154	Dynamics and Formation of the Near-resonant K2-24 System: Insights from Transit-timing Variations and Radial Velocities. <b>2018</b> , 156, 89		21
1153	Improving Gaia Parallax Precision with a Data-driven Model of Stars. <b>2018</b> , 156, 145		17
1152	nbodykit: An Open-source, Massively Parallel Toolkit for Large-scale Structure. <b>2018</b> , 156, 160		110

1151	Off the Beaten Path: Gaia Reveals GD-1 Stars outside of the Main Stream. <b>2018</b> , 863, L20		61
1150	The Main Belt Asteroid Shape Distribution from Gaia Data Release 2. <b>2018</b> , 156, 139		8
1149	Chandrasekhar and Sub-Chandrasekhar Models for the X-Ray Emission of Type Ia Supernova Remnants. I. Bulk Properties. <b>2018</b> , 865, 151		13
1148	The GeMS/GSAOI Galactic Globular Cluster Survey (G4CS). I. A Pilot Study of the Stellar Populations in NGC 2298 and NGC 3201. <b>2018</b> , 865, 160		9
1147	A search for a surviving companion in SN 1006. <b>2018</b> , 479, 192-199		16
1146	Resolution convergence in cosmological hydrodynamical simulations using adaptive mesh refinement. <b>2018</b> , 477, 983-1003		3
1145	Black Holes and Neutron Stars in Nearby Galaxies: Insights from NuSTAR. <b>2018</b> , 864, 150		10
1144	Constraining the inclination of the low-mass X-ray binary Cen X-4. <b>2018</b> , 478, 4317-4322		3
1143	Imaging extended emission-line regions of obscured AGN with the Subaru Hyper Suprime-Cam Survey. <b>2018</b> , 480, 2302-2323		16
1142	The VANDELS survey: dust attenuation in star-forming galaxies at $z = 3-4$ . <b>2018</b> , 476, 3218-3232		27
1141	The nature of luminous Ly $\alpha$ emitters at $z \sim 2.5$ : maximal dust-poor starbursts and highly ionizing AGN. <b>2018</b> , 477, 2817-2840		54
1140	Infrared colours and inferred masses of metal-poor giant stars in the Kepler field. <b>2018</b> , 478, 2812-2818		5
1139	The Planck Cold Clump G108.37-01.06: A Site of Complex Interplay between H II Regions, Young Clusters, and Filaments. <b>2018</b> , 864, 154		10
1138	Circumstellar ammonia in oxygen-rich evolved stars. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 612, A48	5.1	11
1137	The origin of the diverse morphologies and kinematics of Milky Way-mass galaxies in the FIRE-2 simulations. <b>2018</b> , 481, 4133-4157		62
1136	High redshift galaxies in the ALHAMBRA survey. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 614, A129	5.1	8
1135	Polarized point sources in the LOFAR Two-meter Sky Survey: A preliminary catalog. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 613, A58	5.1	26
1134	Interstellar magnetic cannon targeting the Galactic halo. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 617, A101	5.1	7

1133	Measuring Radial Orbit Migration in the Galactic Disk. <b>2018</b> , 865, 96		68
1132	Tracking Advanced Planetary Systems (TAPAS) with HARPS-N. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 613, A47	5.1	10
1131	Aldebaran b's Temperate Past Uncovered in Planet Search Data. <b>2018</b> , 865, L20		14
1130	Footprints of the giant molecular loops in the Galactic center region. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 613, A42	5.1	5
1129	The JWST Extragalactic Mock Catalog: Modeling Galaxy Populations from the UV through the Near-IR over 13 Billion Years of Cosmic History. <b>2018</b> , 236, 33		59
1128	Extended and broad Ly $\alpha$ Emission around a BAL quasar at $z \sim 5$ . <b>2018</b> , 476, 2421-2431		17
1127	Predicting the hypervelocity star population in Gaia. <b>2018</b> , 476, 4697-4712		25
1126	Star formation history of the Galactic bulge from deep HST imaging of low reddening windows. <b>2018</b> , 477, 3507-3519		38
1125	Discovery of X-Rays from the Old and Faint Pulsar J1154-2250. <b>2018</b> , 865, 116		5
1124	Spatially unresolved SED fitting can underestimate galaxy masses: a solution to the missing mass problem. <b>2018</b> , 476, 1532-1547		25
1123	Resolving the host galaxy of a distant blazar with LBT/LUCI 1 + ARGOS. <b>2018</b> , 476, 1835-1839		3
1122	Absorption and emission features of 7Be II in the outburst spectra of V838 Her (Nova Her 1991). <b>2018</b> , 481, 2261-2272		14
1121	Mr-Moose: an advanced SED-fitting tool for heterogeneous multi-wavelength data sets. <b>2018</b> , 477, 4981-5000		3
1120	Evidence for a New Component of High-Energy Solar Gamma-Ray Production. <b>2018</b> , 121, 131103		11
1119	Reliable detection and characterization of low-frequency polarized sources in the LOFAR M51 field. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 617, A136	5.1	9
1118	The First Tidally Disrupted Ultra-faint Dwarf Galaxy?: A Spectroscopic Analysis of the Tucana III Stream. <b>2018</b> , 866, 22		43
1117	A NICER Discovery of a Low-frequency Quasi-periodic Oscillation in the Soft-intermediate State of MAXI J1535-071. <b>2018</b> , 865, L15		24
1116	From FATS to feets: Further improvements to an astronomical feature extraction tool based on machine learning. <b>2018</b> , 25, 213-220		8

1115	Revolutionizing Our Understanding of AGN Feedback and its Importance to Galaxy Evolution in the Era of the Next Generation Very Large Array. <b>2018</b> , 859, 23		18
1114	Characteristics and Performance of the CALorimetric Electron Telescope (CALET) Calorimeter for Gamma-Ray Observations. <b>2018</b> , 238, 5		10
1113	Kinematics of the atomic ISM in M33 on 80 pc scales. <b>2018</b> , 479, 2505-2533		22
1112	Evolution of Quasar Stochastic Variability along Its Main Sequence. <b>2018</b> , 866, 74		11
1111	Host galaxies of SNe Ic-BL with and without long gamma-ray bursts. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 617, A105	5.1	21
1110	COSMOGRAIL. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 616, A183	5.1	37
1109	Exploring the Origins of Earth's Nitrogen: Astronomical Observations of Nitrogen-bearing Organics in Protostellar Environments. <b>2018</b> , 866, 156		5
1108	Periastron Observations of TeV Gamma-Ray Emission from a Binary System with a 50-year Period. <b>2018</b> , 867, L19		27
1107	Evidence for Ultra-diffuse Galaxy Formation through Galaxy Interactions. <b>2018</b> , 866, L11		32
1106	The Astropy Project: Building an Open-science Project and Status of the v2.0 Core Package. <b>2018</b> , 156, 123		2084
1105	Simultaneous Spectral Energy Distribution and Near-infrared Interferometry Modeling of HD 142666. <b>2018</b> , 866, 23		11
1104	Observational constraints on key-parameters of cosmic reionisation history. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 616, A113	5.1	18
1103	Nebular Spectroscopy of the Blue Bump Type Ia Supernova 2017cbv. <b>2018</b> , 863, 24		32
1102	Mapping the neutral atomic hydrogen gas outflow in the restarted radio galaxy 3C 236. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 617, A38	5.1	13
1101	Disentangling multiple high-energy emission components in the Vela X pulsar wind nebula with the Fermi Large Area Telescope. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 617, A78	5.1	9
1100	The Stripe 82 1.4 GHz Very Large Array Snapshot Survey: host galaxy properties and accretion rates of radio galaxies. <b>2018</b> , 480, 358-370		14
1099	A Bayesian Framework for Exoplanet Direct Detection and Non-detection. <b>2018</b> , 156, 196		13
1098	Optical turbulence profiling with Stereo-SCIDAR for VLT and ELT. <b>2018</b> , 478, 825-834		28

1097	Candidate high-z protoclusters among the Planck compact sources, as revealed by HerschelSPIRE. <b>2018</b> , 476, 3336-3359		20
1096	Probing star formation and ISM properties using galaxy disk inclination. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 615, A7	5.1	10
1095	SAFARI: Searching Asteroids for Activity Revealing Indicators. <b>2018</b> , 130, 114502		9
1094	On the UV compactness and morphologies of typical Lyman $\alpha$ emitters from $z \sim 2$ to $z \sim 6$ . <b>2018</b> , 476, 5479-5501		37
1093	FOREST Unbiased Galactic plane Imaging survey with the Nobeyama 45 m telescope (FUGIN). III. Possible evidence for formation of NGC 6618 cluster in M 17 by cloud-cloud collision. <b>2018</b> , 70,		30
1092	A Faraday Rotation Study of the Stellar Bubble and H II Region Associated with the W4 Complex. <b>2018</b> , 865, 65		9
1091	Revised Radii of Kepler Stars and Planets Using Gaia Data Release 2. <b>2018</b> , 866, 99		162
1090	A Gaia DR2 view of the open cluster population in the Milky Way. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 618, A93	5.1	338
1089	The Spatial Kinematic Structure of the Region of Massive Star Formation S255N on Various Scales. <b>2018</b> , 62, 326-345		3
1088	The TROY project. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 618, A42	5.1	16
1087	Spatial organization of the somatosensory cortex revealed by osmFISH. <b>2018</b> , 15, 932-935		195
1086	Three dynamically distinct stellar populations in the halo of M49. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 616, A123	5.1	18
1085	Galactic synchrotron distribution derived from 152 H II region absorption features in the full GLEAM survey. <b>2018</b> , 479, 4041-4055		9
1084	Gas and galaxies in filaments between clusters of galaxies. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 609, A49	5.1	29
1083	Integrated-light analyses vs. colour-magnitude diagrams. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 617, A18	5.1	16
1082	Resolving faint structures in the debris disk around TWA 7. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 617, A109	5.1	23
1081	Dissecting the X-Ray Emission in the Young Planetary Nebula NGC 7027. <b>2018</b> , 861, 45		6
1080	The R-Process Alliance: Chemical Abundances for a Trio of r-process-enhanced Stars One Strong, One Moderate, and One Mild. <b>2018</b> , 864, 43		12



1079	A search for transiting planets in the $\mu$ Pictoris system. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 615, A145	5.1	6
1078	Measurement of Source Star Colors with the K2C9-CFHT Multi-color Microlensing Survey. <b>2018</b> , 130, 104401		12
1077	Baryon content in a sample of 91 galaxy clusters selected by the South Pole Telescope at 0.2'. <b>2018</b> , 478, 3072-3099		50
1076	Resolving the kinematics of the discs around Galactic B[e] supergiants. <b>2018</b> , 480, 320-344		14
1075	How black holes stop their host galaxy from growing without AGN feedback. <b>2018</b> , 480, 5673-5688		1
1074	Computational astrophysics for the future. <b>2018</b> , 361, 979-980		12
1073	Parallaxes of Cool Objects with WISE: Filling in for Gaia. <b>2018</b> , 862, 173		8
1072	Gaia transients in galactic nuclei. <b>2018</b> , 481, 307-323		11
1071	fcmaker: Automating the creation of ESO-compliant finding charts for Observing Blocks on p2. <b>2018</b> , 25, 81-88		2
1070	X-Ray Absorption in Young Core-collapse Supernova Remnants. <b>2018</b> , 864, 175		11
1069	The 30 Year Search for the Compact Object in SN 1987A. <b>2018</b> , 864, 174		20
1068	Possible Bright Starspots on TRAPPIST-1. <b>2018</b> , 857, 39		51
1067	Kepler-1656b: A Dense Sub-Saturn with an Extreme Eccentricity. <b>2018</b> , 156, 147		9
1066	realfast: Real-time, Commensal Fast Transient Surveys with the Very Large Array. <b>2018</b> , 236, 8		30
1065	JOVIAL: Notebook-based astronomical data analysis in the cloud. <b>2018</b> , 25, 110-117		4
1064	Obscured star formation in bright $z \sim 7$ Lyman-break galaxies. <b>2018</b> , 481, 1631-1644		33
1063	JINGLE, a JCMT legacy survey of dust and gas for galaxy evolution studies II. Survey overview and first results. <b>2018</b> , 481, 3497-3519		18
1062	Evolution of the degree of substructures in simulated galaxy clusters. <b>2018</b> , 478, 2086-2096		1

1061	The GALAH Survey: second data release. <b>2018</b> , 478, 4513-4552		193
1060	K2-260 b: a hot Jupiter transiting an F star, and K2-261 b: a warm Saturn around a bright G star. <b>2018</b> , 481, 596-612		16
1059	Cosmology with the pairwise kinematic SZ effect: calibration and validation using hydrodynamical simulations. <b>2018</b> , 478, 5320-5335		10
1058	The evolution of young HII regions. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 611, A99	5.1	15
1057	Resolving the ISM at the Peak of Cosmic Star Formation with ALMA: The Distribution of CO and Dust Continuum in $z \sim 2.5$ Submillimeter Galaxies. <b>2018</b> , 863, 56		56
1056	Nucleus of active asteroid 358P/Pan-STARRS (P/2012 T1). <i>Astronomy and Astrophysics</i> , <b>2018</b> , 616, A54	5.1	1
1055	Using the full power of the cosmic microwave background to probe axion dark matter. <b>2018</b> , 476, 3063-3085		49
1054	Comment on "An excess of massive stars in the local 30 Doradus starburst". <b>2018</b> , 361,		12
1053	Galactic Archeology with the AEGIS Survey: The Evolution of Carbon and Iron in the Galactic Halo. <b>2018</b> , 861, 146		34
1052	Results from EDGES High-band. II. Constraints on Parameters of Early Galaxies. <b>2018</b> , 863, 11		29
1051	SMHASH: anatomy of the Orphan Stream using RR Lyrae stars. <b>2018</b> , 479, 570-587		12
1050	Investigations of the Class I methanol masers in NGC 4945. <b>2018</b> , 480, 4578-4588		5
1049	Searching for Cool Dust. II. Infrared Imaging of The OH/IR Supergiants, NML Cyg, VX Sgr, S Per, and the Normal Red Supergiants RS Per and T Per. <b>2018</b> , 155, 212		11
1048	Optimal extinction measurements. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 615, A174	5.1	2
1047	Cloud-scale Molecular Gas Properties in 15 Nearby Galaxies. <b>2018</b> , 860, 172		128
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1044	aflak: Pluggable Visual Programming Environment with Quick Feedback Loop Tuned for Multi-Spectral Astrophysical Observations. <b>2018</b> ,		

1043	Brightest galaxies as halo centre tracers in SDSS DR7. <b>2018</b> , 473, 2830-2851	19
1042	LLAMA: normal star formation efficiencies of molecular gas in the centres of luminous Seyfert galaxies. <b>2018</b> , 473, 5658-5679	39
1041	The relationship between Class I and Class II methanol masers at high angular resolution. <b>2018</b> , 477, 507-524	9
1040	On the kinematics of a runaway Be star population. <b>2018</b> , 477, 5261-5278	19
1039	The space density of post-period minimum Cataclysmic Variables. <b>2018</b> , 473, 3241-3250	7
1038	Neutral hydrogen (H i) gas content of galaxies at $z \sim 0.32$ . <b>2018</b> , 473, 1879-1894	38
1037	Gas kinematics, morphology and angular momentum in the FIRE simulations. <b>2018</b> , 473, 1930-1955	94
1036	Galaxy Zoo: secular evolution of barred galaxies from structural decomposition of multiband images. <b>2018</b> , 473, 4731-4753	52
1035	LRG-BEASTS III: ground-based transmission spectrum of the gas giant orbiting the cool dwarf WASP-80. <b>2018</b> , 474, 876-885	20
1034	Forming spectroscopic massive protobinaries by disc fragmentation. <b>2018</b> , 473, 3615-3637	50
1033	Detectability of Galactic Faraday Rotation in multiwavelength CMB observations. <b>2018</b> , 473, 4795-4804	
1032	The impact of galaxy formation on satellite kinematics and redshift-space distortions. <b>2018</b> , 475, 2530-2544	17
1031	A simulation-based analytic model of radio galaxies. <b>2018</b> , 475, 2768-2786	56
1030	True versus apparent shapes of bow shocks. <b>2018</b> , 477, 2431-2454	5
1029	The stellar mass, star formation rate and dark matter halo properties of LAEs at $z \sim 2$ . <b>2018</b> , 70,	23
1028	Core Emergence in a Massive Infrared Dark Cloud: A Comparison between Mid-IR Extinction and 1.3 mm Emission. <b>2018</b> , 855, L25	8
1027	Radiative transfer modelling of W33A MM1: 3D structure and dynamics of a complex massive star-forming region. <b>2018</b> , 478, 2505-2525	28
1026	The CARMA-NRO Orion Survey. <b>2018</b> , 236, 25	44

1025	First gas-phase metallicity gradients of $0.1 < z < 0.8$ galaxies with MUSE. <b>2018</b> , 478, 4293-4316	35
1024	LOFAR-BoEs: properties of high- and low-excitation radio galaxies at $0.5' < z < 1$ . <b>2018</b> , 475, 3429-3452	27
1023	The Clustering of High-redshift ( $2.9 < z < 3.1$ ) Quasars in SDSS Stripe 82. <b>2018</b> , 859, 20	22
1022	The impact of redshift on galaxy morphometric classification: case studies for SDSS, DES, LSST and HST with morfometryka. <b>2018</b> , 473, 2701-2713	5
1021	A survey of eight hot Jupiters in secondary eclipse using WIRCcam at CFHT. <b>2018</b> , 474, 4264-4277	8
1020	The dependence of bar frequency on galaxy mass, colour, and gas content and angular resolution in the local universe. <b>2018</b> , 474, 5372-5392	47
1019	Major merging history in CANDELS. I. Evolution of the incidence of massive galaxy-galaxy pairs from $z \sim 3$ to $z \sim 0$ . <b>2018</b> , 475, 1549-1573	44
1018	HAT-P-11: Discovery of a Second Planet and a Clue to Understanding Exoplanet Obliquities. <b>2018</b> , 155, 255	41
1017	Radial measurements of IMF-sensitive absorption features in two massive ETGs. <b>2018</b> , 475, 1073-1092	23
1016	The infrared-radio correlation of spheroid- and disc-dominated star-forming galaxies to $z \sim 1.5$ in the COSMOS field. <b>2018</b> , 475, 827-838	21
1015	The binary fraction of planetary nebula central stars - III. the promise of VPHAS+. <b>2018</b> , 475, 4504-4523	8
1014	Discovery and characterization of 3000+ main-sequence binaries from APOGEE spectra. <b>2018</b> , 476, 528-553	51
1013	Sumo Puff: Tidal debris or disturbed ultra-diffuse galaxy?. <b>2018</b> , 70,	14
1012	Remnant radio-loud AGN in the Herschel-ATLAS field. <b>2018</b> , 475, 4557-4578	32
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1008	Dark Galaxy Candidates at Redshift $\sim 3.5$ Detected with MUSE. <b>2018</b> , 859, 53	29

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1006	Numerical Simulations of Multiphase Winds and Fountains from Star-forming Galactic Disks. I. Solar Neighborhood TIGRESS Model. <b>2018</b> , 853, 173	91
1005	Detection of a Population of Carbon-enhanced Metal-poor Stars in the Sculptor Dwarf Spheroidal Galaxy. <b>2018</b> , 856, 142	16
1004	The ALMA-PILS Survey: Formaldehyde deuteration in warm gas on small scales toward IRAS 16293-422 B. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 610, A54	5.1 40
1003	Direction-dependent Corrections in Polarimetric Radio Imaging. II. A-solver Methodology: A Low-order Solver for the A-term of the A-projection Algorithm. <b>2018</b> , 155, 3	7
1002	The Faint End of the $z=5$ Quasar Luminosity Function from the CFHTLS. <b>2018</b> , 155, 131	52
1001	The First Data Release from SweetSpot: 74 Supernovae in 36 Nights on WIYN+WHIRC. <b>2018</b> , 155, 201	7
1000	Chemical Abundances of New Member Stars in the Tucana II Dwarf Galaxy. <b>2018</b> , 857, 74	28
999	Advanced Diagnostics for the Study of Linearly Polarized Emission. I. Derivation. <b>2018</b> , 853, 9	13
998	Herschel and ALMA Observations of Massive SZE-selected Clusters. <b>2018</b> , 853, 195	1
997	The JCMT Transient Survey: Stochastic and Secular Variability of Protostars and Disks In the Submillimeter Region Observed over 18 Months. <b>2018</b> , 854, 31	24
996	Where Are All of the Gas-bearing Local Dwarf Galaxies? Quantifying Possible Impacts of Reionization. <b>2018</b> , 857, 45	18
995	An uncertainty principle for star formation III. A new method for characterizing the cloud-scale physics of star formation and feedback across cosmic history. <b>2018</b> , 479, 1866-1952	54
994	Xi-cam: a versatile interface for data visualization and analysis. <b>2018</b> , 25, 1261-1270	59
993	Laser-only Adaptive Optics Achieves Significant Image Quality Gains Compared to Seeing-limited Observations over the Entire Sky. <b>2018</b> , 155, 59	1
992	YSOVAR: Mid-infrared Variability among YSOs in the Star Formation Region Serpens South. <b>2018</b> , 155, 99	13
991	The Galaxy Cluster Merger Catalog: An Online Repository of Mock Observations from Simulated Galaxy Cluster Mergers. <b>2018</b> , 234, 4	13
990	The Lives of Stars: Insights from the TGASBAVE+AMOST Data Set. <b>2018</b> , 860, 91	5

989	An Iwasawa–Taniguchi effect for Compton-thick active galactic nuclei. <b>2018</b> , 477, 3775-3790	13
988	The Orion Fingers: H <sub>2</sub> Temperatures and Excitation in an Explosive Outflow. <b>2018</b> , 857, 7	3
987	Gas kinematics in FIRE simulated galaxies compared to spatially unresolved HI observations. <b>2018</b> , 477, 1536-1548	23
986	Systematic search for tidal features around nearby galaxies. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 614, A143.1	28
985	The stellar population and initial mass function of NGC 1399 with MUSE. <b>2018</b> , 479, 2443-2456	27
984	Radio Galaxy Zoo: machine learning for radio source host galaxy cross-identification. <b>2018</b> , 478, 5547-5563	26
983	The Voigt and complex error function: Huml&#x2013;k&#x2013; rational approximation generalized. <b>2018</b> , 479, 3068-3075	9
982	An HST/STIS Optical Transmission Spectrum of Warm Neptune GJ 436b. <b>2018</b> , 155, 66	25
981	MMT Spectroscopy of Supernova Remnant Candidates in M33. <b>2018</b> , 855, 140	18
980	Integral Field Spectroscopy of Supernova Remnant 1E0102–219 Reveals Fast-moving Hydrogen and Sulfur-rich Ejecta. <b>2018</b> , 853, L32	10
979	Distribution of Serpens South protostars revealed with ALMA. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 615, A9	5.1 26
978	The RINGS Survey. III. Medium-resolution H&#x2013;alpha&#x2013; Phot Kinematic Data Set. <b>2018</b> , 155, 123	1
977	BAT AGN Spectroscopic Survey. VIII. Type 1 AGN with Massive Absorbing Columns. <b>2018</b> , 856, 154	17
976	The Universe Is Reionizing at $z \sim 7$ : Bayesian Inference of the IGM Neutral Fraction Using Ly&#x2013;Emission from Galaxies. <b>2018</b> , 856, 2	14.1
975	A Falling Corona Model for the Anomalous Behavior of the Broad Emission Lines in NGC 5548. <b>2018</b> , 857, 86	12
974	K2 precision lightcurve: Twelve days in the Pluto-Charon system. <b>2018</b> , 314, 265-273	4
973	A search for faint high-redshift radio galaxy candidates at 150 MHz. <b>2018</b> , 475, 5041-5058	13
972	What Do the Hitomi Observations Tell Us About the Turbulent Velocities in the Perseus Cluster? Probing the Velocity Field with Mock Observations. <b>2018</b> , 853, 180	22

971	The Spectral and Environment Properties of $z \sim 2.0$ - $2.5$ Quasar Pairs. <b>2018</b> , 860, 41	8
970	The Volumetric Rate of Calcium-rich Transients in the Local Universe. <b>2018</b> , 858, 50	27
969	Spatial Distribution of the Milky Way Hot Gaseous Halo Constrained by Suzaku X-Ray Observations. <b>2018</b> , 862, 34	35
968	Atmospheric turbulence forecasting with a general circulation model for Cerro Paranal. <b>2018</b> , 480, 1278-1299	16
967	Calibrating the HISA temperature: Measuring the temperature of the Riegel-Crutcher cloud. <b>2018</b> , 479, 1465-1490	15
966	The gas-phase metallicities of star-forming galaxies in aperture-matched SDSS samples follow potential rather than mass or average surface density. <b>2018</b> , 479, 1807-1821	12
965	Northern Galactic molecular cloud clumps in Hi-GAL: dense gas map and environmental trends. <b>2018</b> , 480, 893-904	3
964	Expanding CO Shells in the Orion A Molecular Cloud. <b>2018</b> , 862, 121	12
963	The curious case of II Lup: a complex morphology revealed with SAM/NACO and ALMA. <b>2018</b> , 480, 1006-1021	5
962	Confirmation of the link between central star binarity and extreme abundance discrepancy factors in planetary nebulae. <b>2018</b> , 480, 4589-4613	42
961	X-ray radiative transfer in protoplanetary disks. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 609, A91	5.1 15
960	The most metal-poor Galactic globular cluster: the first spectroscopic observations of ESO280-SC06. <b>2018</b> , 477, 4565-4576	17
959	A Universal Spin-Mass Relation for Brown Dwarfs and Planets. <b>2018</b> , 859, 153	23
958	The Evolution of Protoplanetary Disks: Probing the Inner Disk of Very Low Accretors. <b>2018</b> , 861, 73	9
957	The Kinematics of Extended Ly $\alpha$ Emission in a Low-mass, Low-metallicity Galaxy at $z = 2.3$ . <b>2018</b> , 862, L10	22
956	Dust Attenuation, Bulge Formation, and Inside-out Quenching of Star Formation in Star-forming Main Sequence Galaxies at $z \sim 2$ . <b>2018</b> , 859, 56	60
955	Icy Grains from the Nucleus of Comet C/2013 US 10 (Catalina). <b>2018</b> , 862, L16	12
954	Behavioral Characteristics and CO+CO <sub>2</sub> Production Rates of Halley-type Comets Observed by NEOWISE. <b>2018</b> , 155, 164	2

953	On Cepheid Distance Scale Bias Due to Stellar Companions and Cluster Populations. <b>2018</b> , 861, 36		22
952	The ALHAMBRA survey: 2D analysis of the stellar populations in massive early-type galaxies at z <i>Astronomy and Astrophysics</i> , <b>2018</b> , 609, A20	5.1	12
951	Subsonic islands within a high-mass star-forming infrared dark cloud. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 611, L3	5.1	15
950	The CARMENES Search for Exoplanets around M Dwarfs: A Low-mass Planet in the Temperate Zone of the Nearby K2-18. <b>2018</b> , 155, 257		33
949	The H.E.S.S. Galactic plane survey. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 612, A1	5.1	143
948	The Millimeter Continuum Size-Frequency Relationship in the UZ Tau E Disk. <b>2018</b> , 861, 64		22
947	ALMA Resolves C i Emission from the $\rho$ Pictoris Debris Disk. <b>2018</b> , 861, 72		22
946	Variability of Red Supergiants in M31 from the Palomar Transient Factory. <b>2018</b> , 859, 73		16
945	VISION - Vienna Survey in Orion. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 614, A65	5.1	11
944	A NIKA view of two star-forming infrared dark clouds: Dust emissivity variations and mass concentration. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 615, A18	5.1	8
943	Optical Dimming of RW Aur Associated with an Iron-rich Corona and Exceptionally High Absorbing Column Density. <b>2018</b> , 156, 56		10
942	Diffuse interstellar bands $\lambda$ 780 and $\lambda$ 797 in the Antennae Galaxy as seen by MUSE. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 615, A33	5.1	3
941	Dense Gas Kinematics and a Narrow Filament in the Orion A OMC1 Region Using NH <sub>3</sub> . <b>2018</b> , 861, 77		28
940	Ionized Gas Motions and the Structure of Feedback near a Forming Globular Cluster in NGC 5253. <b>2018</b> , 860, 47		11
939	The Solar Neighborhood. XLIII. Discovery of New Nearby Stars with $\mu$ 2018, 156, 49		5
938	The 1.4 mm Core of Centaurus A: First VLBI Results with the South Pole Telescope. <b>2018</b> , 861, 129		6
937	The discovery of WASP-151b, WASP-153b, WASP-156b: Insights on giant planet migration and the upper boundary of the Neptunian desert. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 610, A63	5.1	29
936	The Dingle Dell meteorite: A Halloween treat from the Main Belt. <b>2018</b> , 53, 2212-2227		21



935	The Highly Polarized Dusty Emission Core of Cygnus A. <b>2018</b> , 861, L23	13
934	K 2 Ultracool Dwarfs Survey. IV. Monster Flares Observed on the Young Brown Dwarf CFHT-BD-Tau 4. <b>2018</b> , 861, 76	15
933	Where are the most ancient stars in the Milky Way?. <b>2018</b> , 480, 652-668	63
932	A Very High Energy $\gamma$ Ray Survey toward the Cygnus Region of the Galaxy. <b>2018</b> , 861, 134	23
931	The primordial deuterium abundance at $z_{\text{abs}} \approx 2.504$ from a high signal-to-noise spectrum of Q1009+2956. <b>2018</b> , 477, 5536-5553	14
930	Expansion and Brightness Changes in the Pulsar-wind Nebula in the Composite Supernova Remnant Kes 75. <b>2018</b> , 856, 133	20
929	The Stellar Populations of Two Ultra-diffuse Galaxies from Optical and Near-infrared Photometry. <b>2018</b> , 858, 29	31
928	OSSOS. VII. 800+ Trans-Neptunian Objects—The Complete Data Release. <b>2018</b> , 236, 18	71
927	Galaxy Zoo: constraining the origin of spiral arms. <b>2018</b> , 478, 932-949	10
926	SDSS-IV MaNGA: the spatially resolved stellar initial mass function in $\sim 400$ early-type galaxies. <b>2018</b> , 477, 3954-3982	59
925	Understanding the Lomb-Scargle Periodogram. <b>2018</b> , 236, 16	305
924	sunstardb: A Database for the Study of Stellar Magnetism and the Solar-stellar Connection. <b>2018</b> , 236, 19	2
923	High-precision pulsar timing and spin frequency second derivatives. <b>2018</b> , 478, 2359-2367	10
922	AAS WorldWide Telescope: A Seamless, Cross-platform Data Visualization Engine for Astronomy Research, Education, and Democratizing Data. <b>2018</b> , 236, 22	13
921	The connection between the peaks in velocity dispersion and star-forming clumps of turbulent galaxies. <b>2018</b> , 474, 522-535	13
920	Global photometric analysis of Galactic HII regions. <b>2018</b> , 18, 091	3
919	Multiple populations within globular clusters in early-type galaxies exploring their effect on stellar initial mass function estimates. <b>2018</b> , 478, 2368-2387	4
918	The Hunt for Intermediate-mass Black Holes in the JWST Era. <b>2018</b> , 861, 142	16

917	First Results of an ALMA Band 10 Spectral Line Survey of NGC 6334I: Detections of Glycolaldehyde (HC(O)CH <sub>2</sub> OH) and a New Compact Bipolar Outflow in HDO and CS. <b>2018</b> , 863, L35	24
916	Does black-hole growth depend on the cosmic environment?. <b>2018</b> , 480, 1022-1042	16
915	Varying driver velocity fields in photospheric MHD wave simulations. <b>2018</b> , 480, 2839-2845	3
914	The low-mass population of the Vela OB2 association from Gaia. <b>2018</b> , 480, L121-L125	10
913	Optical and Infrared Photometry of the nearby SN 2017cbv. <b>2018</b> , 863, 90	5
912	O/H-N/O: the curious case of NGC 4670. <b>2018</b> , 476, 3793-3815	14
911	Investigating Galactic Supernova Remnant Candidates Using LOFAR. <b>2018</b> , 860, 133	11
910	ASASSN-15nx: A Luminous Type II Supernova with a Perfect Linear Decline. <b>2018</b> , 862, 107	15
909	Blue Straggler Stars beyond the Milky Way. II. A Binary Origin for Blue Straggler Stars in Magellanic Cloud Clusters. <b>2018</b> , 862, 133	4
908	Stellar Populations in the Outer Disk and Halo of the Spiral Galaxy M101. <b>2018</b> , 862, 99	10
907	Stellar Streams Discovered in the Dark Energy Survey. <b>2018</b> , 862, 114	141
906	The geometric distance and binary orbit of PSR B1259-3. <b>2018</b> , 479, 4849-4860	23
905	The Next Generation Fornax Survey (NGFS). III. Revealing the Spatial Substructure of the Dwarf Galaxy Population Inside Half of Fornax's Virial Radius. <b>2018</b> , 859, 52	25
904	The Swift/BAT AGN Spectroscopic Survey. IX. The Clustering Environments of an Unbiased Sample of Local AGNs. <b>2018</b> , 858, 110	33
903	The APOGEE-2 Survey of the Orion Star-forming Complex. I. Target Selection and Validation with Early Observations. <b>2018</b> , 236, 27	16
902	The ALMA-PILS survey: 3D modeling of the envelope, disks and dust filament of IRAS 16293-422. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 612, A72	5.1 30
901	The role of spiral arms in Milky Way star formation. <b>2018</b> , 479, 2361-2373	10
900	The Sagittarius dwarf galaxy: where did all the gas go?. <b>2018</b> , 478, 5263-5277	18

899	The R-Process Alliance: Discovery of the First Metal-poor Star with a Combined r- and s-process Element Signature. <b>2018</b> , 862, 174		16
898	A Keplerian Disk around Orion SrCl, a ~ 15 M ? YSO. <b>2018</b> , 860, 119		43
897	CO in Protostars (COPS): Herschel-SPIRE Spectroscopy of Embedded Protostars. <b>2018</b> , 860, 174		12
896	Variability Timescale and Spectral Index of Sgr A* in the Near Infrared: Approximate Bayesian Computation Analysis of the Variability of the Closest Supermassive Black Hole. <b>2018</b> , 863,		62
895	Cosmic shear calibration with forward modeling. <b>2018</b> , 2018, 007-007		7
894	Discovery of a radio galaxy at $z = 5.72$ . <b>2018</b> , 480, 2733-2742		33
893	Neutrino masses and beyond- $\Lambda$ CDM cosmology with LSST and future CMB experiments. <b>2018</b> , 97,		31
892	Deep neutral hydrogen observations of Leo T with the Westerbork Synthesis Radio Telescope. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 612, A26	5.1	22
891	The VMC survey. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 612, A115	5.1	6
890	Cluster kinematics and stellar rotation in NGC 419 with MUSE and adaptive optics. <b>2018</b> , 480, 1689-1695		37
889	Individual stellar haloes of massive galaxies measured to 100 kpc at 0.3'. <b>2018</b> , 475, 3348-3368		52
888	The Importance of the $^{13}\text{C}(\alpha)^{16}\text{O}$ Reaction in Asymptotic Giant Branch Stars. <b>2018</b> , 859, 105		28
887	Galaxy And Mass Assembly (GAMA): the effect of galaxy group environment on active galactic nuclei. <b>2018</b> , 475, 4223-4234		16
886	Connecting optical and X-ray tracers of galaxy cluster relaxation. <b>2018</b> , 475, 4704-4716		12
885	The ASAS-SN catalogue of variable stars I: The Serendipitous Survey. <b>2018</b> , 477, 3145-3163		146
884	The Circumstellar Disk and Asymmetric Outflow of the EX Lup Outburst System. <b>2018</b> , 859, 111		12
883	J plots: a new method for characterizing structures in the interstellar medium. <b>2018</b> , 477, 1940-1948		4
882	K2-137 b: an Earth-sized planet in a 4.3-h orbit around an M-dwarf. <b>2018</b> , 474, 5523-5533		43

881	Ground-based detection of G star superflares with NGTS. <b>2018</b> , 477, 4655-4664	15
880	Search for Gamma-Ray Emission from Local Primordial Black Holes with the Fermi Large Area Telescope. <b>2018</b> , 857, 49	10
879	Kinematic Distances: A Monte Carlo Method. <b>2018</b> , 856, 52	44
878	Starburst to Quiescent from HST/ALMA: Stars and Dust Unveil Minor Mergers in Submillimeter Galaxies at $z \sim 4.5$ . <b>2018</b> , 856, 121	42
877	The SAMI Galaxy Survey: Gravitational Potential and Surface Density Drive Stellar Populations. I. Early-type Galaxies. <b>2018</b> , 856, 64	22
876	The Gaia DR2 WISE Extragalactic Astrometric Catalog. <b>2018</b> , 236, 37	7
875	On the UV/Optical Variation in NGC 5548: New Evidence Against the Reprocessing Diagram. <b>2018</b> , 860, 29	10
874	ESASky: A science-driven discovery portal for space-based astronomy missions. <b>2018</b> , 24, 97-103	3
873	Using the Properties of Broad Absorption Line Quasars to Illuminate Quasar Structure. <b>2018</b> , 479, 4153-4171	6
872	The Emission and Distribution of Dust of the Torus of NGC 1068. <b>2018</b> , 859, 99	26
871	First Observations of the Magnetic Field inside the Pillars of Creation: Results from the BISTRO Survey. <b>2018</b> , 860, L6	20
870	Anti-glitches in the Ultraluminous Accreting Pulsar NGC 300 ULX-1 Observed with NICER. <b>2019</b> , 879, 130	13
869	Rotational and Rotational-Vibrational Raman Spectroscopy of Air to Characterize Astronomical Spectrographs. <b>2019</b> , 123, 061101	2
868	Four Small Planets Buried in K2 Systems: What Can We Learn for TESS?. <b>2019</b> , 880, L5	5
867	The X-shooter GRB afterglow legacy sample (XS-GRB). <i>Astronomy and Astrophysics</i> , <b>2019</b> , 623, A92	5.1 24
866	Multiplicity of Galactic Cepheids and RR Lyrae stars from Gaia DR2. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 623, A116	5.1 30
865	Multiplicity of Galactic Cepheids and RR Lyrae stars from Gaia DR2. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 623, A117	5.1 22
864	Compact planetary nebulae: improved IR diagnostic criteria based on classification tree modelling. <b>2019</b> , 488, 3238-3250	9

863	The Independent Discovery of Planet Candidates around Low-mass Stars and Astrophysical False Positives from the First Two TESS Sectors. <b>2019</b> , 158, 81		6
862	The REASONS Survey: Resolved Millimeter Observations of a Large Debris Disk around the Nearby F Star HD 170773. <b>2019</b> , 881, 84		12
861	Non-LTE chemical abundances in Galactic open and globular clusters. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 628, A54	5.1	21
860	Searches after Gravitational Waves Using ARizona Observatories (SAGUARO): System Overview and First Results from Advanced LIGO/Virgo Third Observing Run. <b>2019</b> , 881, L26		27
859	Novel method for component separation of extended sources in X-ray astronomy. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 627, A139	5.1	12
858	Molecular envelope around the HII region RCW 120. <b>2019</b> , 488, 5641-5650		9
857	Hot Subdwarf Stars Observed in Gaia DR2 and LAMOST DR5. <b>2019</b> , 881, 7		13
856	Reconstructing phenomenological distributions of compact binaries via gravitational wave observations. <b>2019</b> , 100,		68
855	Spatially Resolved Metal Loss from M31. <b>2019</b> , 877, 120		13
854	The large gamma-ray flare of the flat-spectrum radio quasar PKS 0346-7. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 627, A140	5.1	5
853	The Spur and the Gap in GD-1: Dynamical Evidence for a Dark Substructure in the Milky Way Halo. <b>2019</b> , 880, 38		67
852	Extremely metal-poor galaxies with HST/COS: laboratories for models of low-metallicity massive stars and high-redshift galaxies. <b>2019</b> , 488, 3492-3506		32
851	A Thousand Earths: A Very Large Aperture, Ultralight Space Telescope Array for Atmospheric Biosignature Surveys. <b>2019</b> , 158, 83		15
850	Measuring Star Formation Histories, Distances, and Metallicities with Pixel Color-Magnitude Diagrams. I. Model Definition and Mock Tests. <b>2019</b> , 876, 78		7
849	The Curious Case of KOI 4: Confirming Kepler's First Exoplanet Detection. <b>2019</b> , 157, 192		13
848	Planetary Nebulae and How to Find Them: Color Identification in Big Broadband Surveys. <b>2019</b> , 879, 38		0
847	Exploring the Origin of Multiwavelength Activities of High-redshift Flat-spectrum Radio Quasar PKS 1502+106 during 2014-2018. <b>2019</b> , 881, 125		7
846	The Magellanic System: the puzzle of the leading gas stream. <b>2019</b> , 488, 918-938		19

845	ASKAP detection of periodic and elliptically polarized radio pulses from UV Ceti. <b>2019</b> , 488, 559-571	17
844	The Detectability and Characterization of the TRAPPIST-1 Exoplanet Atmospheres with JWST. <b>2019</b> , 158, 27	84
843	Sulfur Chemistry in Protoplanetary Disks: CS and H <sub>2</sub> CS. <b>2019</b> , 876, 72	38
842	Organic Complexity in Protostellar Disk Candidates. <b>2019</b> , 3, 1564-1575	13
841	SHALOS: StatisticalHerschel-ATLAS lensed objects selection. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 627, A315.1	9
840	k-means Aperture Optimization Applied to Kepler K2 Time Series Photometry of Titan. <b>2019</b> , 131, 084505	1
839	The impact of stellar feedback from velocity-dependent ionized gas maps in MUSE view of Haro 11. <b>2019</b> , 487, 3183-3198	14
838	High-resolution radiative transfer modelling of M33. <b>2019</b> , 487, 2753-2770	15
837	Stochastic modelling of star-formation histories I: the scatter of the star-forming main sequence. <b>2019</b> , 487, 3845-3869	34
836	Synthetic molecular line observations of the first hydrostatic core from chemical calculations. <b>2019</b> , 487, 2853-2873	4
835	Extreme digitization for ground-based cosmic microwave background experiments. <b>2019</b> , 487, 3279-3287	
834	Photoevaporation of Jeans-unstable molecular clumps. <b>2019</b> , 487, 3377-3391	17
833	Black hole mass estimation for active galactic nuclei from a new angle. <b>2019</b> , 487, 3404-3418	22
832	Inferring the jet parameters of active galactic nuclei using Bayesian analysis of VLBI data with a non-uniform jet model. <b>2019</b> , 488, 939-953	2
831	Detection of the self-regulation of star formation in galaxy discs. <b>2019</b> , 487, L61-L66	5
830	HALO7D II: The Halo Velocity Ellipsoid and Velocity Anisotropy with Distant Main-sequence Stars. <b>2019</b> , 879, 120	9
829	Through thick or thin: multiple components of the magneto-ionic medium towards the nearby H II region Sharpless 207 revealed by Faraday tomography. <b>2019</b> , 487, 4751-4767	8
828	Linking gas and galaxies at high redshift: MUSE surveys the environments of six damped Ly $\alpha$ systems at $z \approx 2$ . <b>2019</b> , 487, 5070-5096	18

827	UV background fluctuations and three-point correlations in the large-scale clustering of the Lyman Forest. <b>2019</b> , 487, 5346-5362	5
826	Morphology and star formation in IllustrisTNG: the build-up of spheroids and discs. <b>2019</b> , 487, 5416-5440	59
825	Identifying optical turbulence profiles for realistic tomographic error in adaptive optics. <b>2019</b> , 488, 213-221	6
824	NGC 326: X-shaped no more. <b>2019</b> , 488, 3416-3422	25
823	Towards Sentinel-1 SAR Analysis-Ready Data: A Best Practices Assessment on Preparing Backscatter Data for the Cube. <b>2019</b> , 4, 93	31
822	Contribution of Radio Halos to the Foreground for SKA EoR Experiments. <b>2019</b> , 879, 104	9
821	Col-OSSOS: The Colors of the Outer Solar System Origins Survey. <b>2019</b> , 243, 12	22
820	Possible Detection of Gamma-Rays from Epsilon Eridani. <b>2019</b> , 878, 8	5
819	A Comparison of the Chemical Composition of Main-sequence and Giant Stars in the Open Cluster NCC 752. <b>2019</b> , 878, 99	3
818	Characterization of a Sample of Southern M Dwarfs Using Harps and X-shooter Spectra. <b>2019</b> , 878, 134	8
817	The Fundamental Metallicity Relation Emerges from the Local Anti-correlation between Star Formation Rate and Gas-phase Metallicity that Exists in Disk Galaxies. <b>2019</b> , 878, L6	7
816	Constraining Compact Object Formation with 2M0521. <b>2019</b> , 878, L4	13
815	ASASSN-15pz: Revealing Significant Photometric Diversity among 2009dc-like, Peculiar SNe Ia. <b>2019</b> , 880, 35	14
814	The First Candidate Colliding-wind Binary in M33. <b>2019</b> , 880, 8	5
813	JCMT BISTRO Survey Observations of the Ophiuchus Molecular Cloud: Dust Grain Alignment Properties Inferred Using a Ricean Noise Model. <b>2019</b> , 880, 27	21
812	Optical Tomography of Chemical Elements Synthesized in Type Ia Supernovae. <b>2019</b> , 123, 041101	18
811	Stellar Evolution in Real Time: Models Consistent with the Direct Observation of a Thermal Pulse in T Ursae Minoris. <b>2019</b> , 879, 62	10
810	First stellar occultation by the Galilean moon Europa and upcoming events between 2019 and 2021. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 626, L4	5.1 3

809	The study of unclassified B[e] stars and candidates in the Galaxy and Magellanic Clouds. <b>2019</b> , 488, 1090-1110	5
808	Observational properties of ultra-diffuse galaxies in low-density environments: field UDGs are predominantly blue and star forming. <b>2019</b> , 488, 2143-2157	30
807	Two sub-millimetre bright protoclusters bounding the epoch of peak star-formation activity. <b>2019</b> , 488, 1790-1812	12
806	The EDGE-CALIFA survey: exploring the star formation law through variable selection. <b>2019</b> , 488, 1926-1940	17
805	eleanor: An Open-source Tool for Extracting Light Curves from the TESS Full-frame Images. <b>2019</b> , 131, 094502	94
804	Mass transport in galaxy discs limits black hole growth to sub-Eddington rates. <b>2019</b> , 488, 2006-2017	
803	The L 98-59 System: Three Transiting, Terrestrial-size Planets Orbiting a Nearby M Dwarf. <b>2019</b> , 158, 32	56
802	Dust Production of Comet 21P/Giacobini-Zinner throughout Its 2018 Apparition. <b>2019</b> , 158, 7	5
801	The total mass of the Large Magellanic Cloud from its perturbation on the Orphan stream. <b>2019</b> , 487, 2685-2700	130
800	Resolving the Decades-long Transient FIRST J141918.9+394036: An Orphan Long Gamma-Ray Burst or a Young Magnetar Nebula?. <b>2019</b> , 876, L14	17
799	Phat ELVIS: The inevitable effect of the Milky Way disc on its dark matter subhaloes. <b>2019</b> , 487, 4409-4423	49
798	The Extremely Luminous Quasar Survey in the Pan-STARRS 1 Footprint (PS-ELQS). <b>2019</b> , 243, 5	14
797	Fundamental uncertainty levels of 21 cm power spectra from a delay analysis. <b>2019</b> , 487, 5840-5853	12
796	The Measured Impact of Chromatic Atmospheric Effects on Barycentric Corrections: Results from the EXtreme PREcision Spectrograph. <b>2019</b> , 158, 40	8
795	Census of $\rho$ Ophiuchi candidate members from Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 626, A80	5.1 26
794	Star Clusters Across Cosmic Time. <b>2019</b> , 57, 227-303	190
793	The physical and chemical structure of Sagittarius B2. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 630, A73	5.1 8
792	Forecasting super-sample covariance in future weak lensing surveys with SuperSCRAM. <b>2019</b> , 2019, 004-004	3



791	simsurvey: estimating transient discovery rates for the Zwicky transient facility. <b>2019</b> , 2019, 005-005	19
790	ALTSched: Improved Scheduling for Time-domain Science with LSST. <b>2019</b> , 131, 115002	4
789	Default Parallels: The Science Potential of JWST Parallel Observations during TSO Primary Observations. <b>2019</b> , 131, 114504	0
788	Localization of binary black hole mergers with known inclination. <b>2019</b> , 488, 4459-4463	9
787	New perspectives on the BOSS small-scale lensing discrepancy for the Planck $\Lambda$ CDM cosmology. <b>2019</b> , 488, 5771-5787	20
786	Discovery of a radio transient in M81. <b>2019</b> , 489, 1181-1196	4
785	NGTS-7Ab: an ultrashort-period brown dwarf transiting a tidally locked and active M dwarf. <b>2019</b> , 489, 5146-5164	29
784	Radio Galaxy Zoo: Knowledge Transfer Using Rotationally Invariant Self-organizing Maps. <b>2019</b> , 131, 108009	8
783	Performance of the Gemini Planet Imager Non-redundant Mask and Spectroscopy of Two Close-separation Binaries: HR 2690 and HD 142527. <b>2019</b> , 157, 249	0
782	The Case for a Large-scale Occultation Network. <b>2019</b> , 158, 19	1
781	A Hot Saturn Near (but Unassociated with) the Open Cluster NGC 1817. <b>2019</b> , 158, 62	1
780	Magnetic Inflation and Stellar Mass. III. Revised Parameters for the Component Stars of NSVS 07394765. <b>2019</b> , 158, 89	4
779	Three Red Suns in the Sky: A Transiting, Terrestrial Planet in a Triple M-dwarf System at 6.9 pc. <b>2019</b> , 158, 152	39
778	LRG-BEASTS: Transmission Spectroscopy and Retrieval Analysis of the Highly Inflated Saturn-mass Planet WASP-39b. <b>2019</b> , 158, 144	18
777	Probing an X-Ray Flare Pattern in Mrk 421 Induced by Multiple Stationary Shocks: A Solution to the Bulk Lorentz Factor Crisis. <b>2019</b> , 877, 26	7
776	The Rest-frame H-band Luminosity Function of Red-sequence Galaxies in Clusters at 1.0 <b>2019</b> , 880, 119	9
775	The HERA-19 Commissioning Array: Direction-dependent Effects. <b>2019</b> , 882, 58	12
774	The CGM $\pi$ GRB Study. I. Uncovering the Circumgalactic Medium around GRB Hosts at Redshifts 2 $\bar{b}$ . <b>2019</b> , 884, 66	5

773	The Super Eight Galaxies: Properties of a Sample of Very Bright Galaxies at $z \approx 7$ . <b>2019</b> , 882, 42	17
772	The Delay Times of Type Ia Supernova. <b>2019</b> , 882, 52	10
771	Hunting for the Dark Matter Wake Induced by the Large Magellanic Cloud. <b>2019</b> , 884, 51	62
770	T CrB: Radio Observations during the 2016–2017 Super-active State. <b>2019</b> , 884, 8	1
769	Short-duration Stellar Flares in GALEX Data. <b>2019</b> , 883, 88	16
768	A Simplified, Lossless Reanalysis of PAPER-64. <b>2019</b> , 883, 133	59
767	Supermassive Black Hole Binary Candidates from the Pan-STARRS1 Medium Deep Survey. <b>2019</b> , 884, 36	27
766	Resolved ALMA Continuum Image of the Circumbinary Ring and Circumstellar Disks in the L1551 IRS 5 System. <b>2019</b> , 882, L4	9
765	Counter-rotation and High-velocity Outflow in the Parsec-scale Molecular Torus of NGC 1068. <b>2019</b> , 884, L28	36
764	Resolved scaling relations and metallicity gradients on sub-kiloparsec scales at $z \approx 1$ . <b>2019</b> , 489, 224-240	11
763	Photon-weighted barycentric correction and its importance for precise radial velocities. <b>2019</b> , 489, 2395-2402	8
762	Studying the morphology of reionization with the triangle correlation function of phases. <b>2019</b> , 489, 1321-1337	12
761	Dark-age reionization and galaxy formation simulation IX. Predictions of infrared excess and cosmic star formation rate density from UV observations. <b>2019</b> , 489, 1357-1372	7
760	Exploring the M-dwarf Luminosity–Temperature–Radius relationships using Gaia DR2. <b>2019</b> , 489, 2615-2633	18
759	Bow shocks, bow waves, and dust waves III. Diagnostics. <b>2019</b> , 489, 2142-2158	8
758	Secularly powered outflows from AGNs: the dominance of non-merger driven supermassive black hole growth. <b>2019</b> , 489, 4016-4031	14
757	Diffuse ionized gas and its effects on nebular metallicity estimates of star-forming galaxies. <b>2019</b> , 489, 4721-4733	21
756	horizon-AGN virtual observatory II. Template-free estimates of galaxy properties from colours. <b>2019</b> , 489, 4817-4835	10

755	The nature of faint radio galaxies at high redshifts. <b>2019</b> , 489, 5053-5075	6
754	A dwarf disrupting $\bar{\Lambda}$ Andromeda XXVII and the North West Stream. <b>2019</b> , 490, 2905-2917	1
753	Limits on a population of collisional-triples as progenitors of Type-Ia supernovae. <b>2019</b> , 490, 657-664	8
752	The VANDELS survey: the star-formation histories of massive quiescent galaxies at $1.0 < z < 1.3$ . <b>2019</b> , 490, 417-439	37
751	Tentative detection of the circumgalactic medium of the isolated low-mass dwarf galaxy WLM. <b>2019</b> , 490, 467-477	6
750	Investigating the complex velocity structures within dense molecular cloud cores with GBT-Argus. <b>2019</b> , 490, 527-539	9
749	Cosmological Evidence Modelling: a new simulation-based approach to constrain cosmology on non-linear scales. <b>2019</b> , 490, 1870-1878	12
748	Observing $\bar{\Lambda}$ unrelaxed clusters in dark matter simulations. <b>2019</b> , 490, 773-783	2
747	Illuminating the Tadpole $\bar{\Lambda}$ metamorphosis $\bar{\Lambda}$ . MUSE observations of a small globule in a sea of ionizing photons. <b>2019</b> , 490, 2056-2070	3
746	Towards the analysis of JWST exoplanet spectra: the effective temperature in the context of direct imaging. <b>2019</b> , 490, 2086-2090	
745	The multiphase gas structure and kinematics in the circumnuclear region of NGC 5728. <b>2019</b> , 490, 5860-5887	36
744	MOBSTER $\bar{\Lambda}$ III. HD 62658: a magnetic Bp star in an eclipsing binary with a non-magnetic $\bar{\Lambda}$ identical twin $\bar{\Lambda}$ <b>2019</b> , 490, 4154-4165	9
743	The rotational profiles of cluster galaxies. <b>2019</b> , 490, 5017-5032	2
742	The G332 molecular cloud ring: I. Morphology and physical characteristics. <b>2019</b> , 484, 2089-2118	1
741	Dissecting the active galactic nucleus in Circinus $\bar{\Lambda}$ II. A thin dusty disc and a polar outflow on parsec scales. <b>2019</b> , 484, 3334-3355	28
740	On the triple-star origin of the planetary nebula Sh 2-71. <b>2019</b> , 489, 2195-2203	8
739	An unusually large gaseous transit in a debris disc. <b>2019</b> , 490, 5218-5227	2
738	Modern stellar spectroscopy caveats. <b>2019</b> , 486, 2075-2101	68

737	Investigation of the origin of the anomalous microwave emission in Lambda Orionis. <b>2019</b> ,		3
736	JCMT BISTRO Survey: Magnetic Fields within the Hub-filament Structure in IC 5146. <b>2019</b> , 876, 42		27
735	M-subdwarf Research. I. Identification, Modified Classification System, and Sample Construction. <b>2019</b> , 240, 31		9
734	A Blueprint of State-of-the-art Techniques for Detecting Quasi-periodic Pulsations in Solar and Stellar Flares. <b>2019</b> , 244, 44		19
733	Resolved and Integrated Stellar Masses in the SDSS-IV/MaNGA Survey. II. Applications of PCA-based Stellar Mass Estimates. <b>2019</b> , 883, 83		9
732	Constraining Mass-transfer Histories of Blue Straggler Stars with COS Spectroscopy of White Dwarf Companions. <b>2019</b> , 885, 45		13
731	The first maps of $\tau_{\text{dust}}$ [the dust mass absorption coefficient] in nearby galaxies, with DustPedia. <b>2019</b> , 489, 5256-5283		22
730	Resolved and Integrated Stellar Masses in the SDSS-iv/MaNGA Survey. I. PCA Spectral Fitting and Stellar Mass-to-light Ratio Estimates. <b>2019</b> , 883, 82		8
729	Disk-Jet Coupling in the 2017/2018 Outburst of the Galactic Black Hole Candidate X-Ray Binary MAXI J1535-071. <b>2019</b> , 883, 198		35
728	Globular Cluster Intrinsic Iron Abundance Spreads. I. Catalog. <b>2019</b> , 245, 5		12
727	The SLUGGS survey: measuring globular cluster ages using both photometry and spectroscopy. <b>2019</b> , 490, 491-501		17
726	Analysis of Helium-rich White Dwarfs Polluted by Heavy Elements in the Gaia Era. <b>2019</b> , 885, 74		53
725	Dust properties and star formation of approximately a thousand local galaxies. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 631, A38	5.1	10
724	Consistent radial velocities of classical Cepheids from the cross-correlation technique. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 631, A37	5.1	6
723	Red and dead CANDELS: massive passive galaxies at the dawn of the Universe. <b>2019</b> , 490, 3309-3328		31
722	Learning the relationship between galaxies spectra and their star formation histories using convolutional neural networks and cosmological simulations. <b>2019</b> , 490, 5503-5520		11
721	The Sloan Digital Sky Survey Reverberation Mapping Project: Accretion and Broad Emission Line Physics from a Hypervariable Quasar. <b>2019</b> , 885, 44		20
720	A New Technique for Finding Galaxies Leaking Lyman-continuum Radiation: [S ii]-deficiency. <b>2019</b> , 885, 57		21

719	SDSS-IV MaNGA: Evidence for Enriched Accretion onto Satellite Galaxies in Dense Environments. <b>2019</b> , 884, 156	13
718	A Warm Jupiter-sized Planet Transiting the Pre-main-sequence Star V1298 Tau. <b>2019</b> , 158, 79	36
717	Reflected Light Phase Curves in the TESS Era. <b>2019</b> , 158, 66	10
716	Signatures of Obliquity in Thermal Phase Curves of Hot Jupiters. <b>2019</b> , 158, 108	9
715	Studying Microlensing Events from New Horizons. <b>2019</b> , 158, 110	0
714	Wfan: Comprehensive Time-series Detrending in Python. <b>2019</b> , 158, 143	54
713	Spectrophotometric Parallaxes with Linear Models: Accurate Distances for Luminous Red-giant Stars. <b>2019</b> , 158, 147	22
712	STRIDES: Automated uniform models for 30 quadruply imaged quasars.	0
711	The Upper Edge of the Neptune Desert Is Stable Against Photoevaporation. <b>2022</b> , 164, 234	0
710	ALMA Uncovers Highly Filamentary Structure toward the Sgr E Region. <b>2022</b> , 939, 58	0
709	iPTF Archival Search for Fast Optical Transients. <b>2022</b> , 45-60	0
708	Beamforming approaches towards detecting the 21-cm global signal from Cosmic Dawn with radio array telescopes. <b>2022</b> , 39,	0
707	WALLABY Pilot Survey: Public release of HI kinematic models for more than 100 galaxies from phase 1 of ASKAP pilot observations. <b>2022</b> , 39,	0
706	The X-ray angular power spectrum of extended sources in the eROSITA final equatorial depth survey.	0
705	Cold gas mass measurements for the era of large optical spectroscopic surveys. <b>2022</b> , 518, 353-367	0
704	Toward the Automated Detection of Light Echoes in Synoptic Surveys: Considerations on the Application of Deep Convolutional Neural Networks. <b>2022</b> , 164, 250	0
703	ALMACAL VIII: A pilot survey for untargeted extragalactic CO emission lines in deep ALMA calibration data.	0
702	High-resolution Hubble Space Telescope Imaging Survey of Local Star-forming Galaxies. I. Spatially Resolved Obscured Star Formation with H $\alpha$ and Paschen- $\beta$ Recombination Lines. <b>2022</b> , 263, 17	0

701	Star-forming early-type galaxies and quiescent late-type galaxies in the local Universe.	0
700	LSST Survey Strategies and Brown Dwarf Parallaxes. <b>2022</b> , 263, 23	0
699	The GAPS Programme at TNG. XLI. The climate of KELT-9b revealed with a new approach to high-spectral-resolution phase curves.	0
698	Triage of the Gaia DR3 astrometric orbits. I. A sample of binaries with probable compact companions.	2
697	Optical Radio Position Offsets Are Inversely Correlated with AGN Photometric Variability. <b>2022</b> , 939, L32	0
696	Spinning up the Surface: Evidence for Planetary Engulfment or Unexpected Angular Momentum Transport?. <b>2022</b> , 940, 23	0
695	Two Remarkably Luminous Galaxy Candidates at $z \approx 10.2$ Revealed by JWST. <b>2022</b> , 940, L14	13
694	Empirical constraints on the turbulence in QSO host nebulae from velocity structure function measurements.	1
693	Isolated Massive Star Formation in G28.20-0.05. <b>2022</b> , 939, 120	0
692	Star formation in IC1396. Kinematics and subclusters structure revealed by Gaia.	0
691	Origin of highly r-process-enhanced stars in a cosmological zoom-in simulation of a Milky Way-like galaxy. <b>2022</b> , 517, 4856-4874	1
690	pySYD: Automated measurements of global asteroseismic parameters. <b>2022</b> , 7, 3331	1
689	NICMOS Kernel-phase Interferometry. I. Catalogue of Brown Dwarfs Observed in F110W and F170M. <b>2022</b> , 164, 244	0
688	Hadronic signatures from magnetically dominated baryon-loaded AGN jets.	1
687	A GMOS/IFU Study of Jellyfish Galaxies in Massive Clusters. <b>2022</b> , 940, 24	0
686	The Properties of Fast Yellow Pulsating Supergiants: FYPS Point the Way to Missing Red Supergiants. <b>2022</b> , 940, 27	0
685	Ultra-diffuse Galaxies as Extreme Star-forming Environments. II. Star Formation and Pressure Balance in H i-rich UDGs. <b>2022</b> , 939, 101	0
684	Bridging the Gap—the Disappearance of the Intermediate Period Gap for Fully Convective Stars, Uncovered by New ZTF Rotation Periods. <b>2022</b> , 164, 251	0

- 683 Does absorption against AGN reveal supermassive black hole accretion?. 1
- 682 Interpreting molecular hydrogen and atomic oxygen line emission of T Tauri disks with photoevaporative disk-wind models. 0
- 681 Exploiting stellar explosion induced by the QCD phase transition in large-scale neutrino detectors. **2022**, 106, 0
- 680 Roaring Storms in the Planetary-mass Companion VHS 1256-1257 b: Hubble Space Telescope Multiepoch Monitoring Reveals Vigorous Evolution in an Ultracool Atmosphere. **2022**, 164, 239 0
- 679 First Results from the JWST Early Release Science Program Q3D: Turbulent Times in the Life of a  $z \sim 3$  Extremely Red Quasar Revealed by NIRSPEC IFU. **2022**, 940, L7 0
- 678 Is the star formation rate in  $z \sim 6$  quasars overestimated?. 0
- 677 GOALS-JWST: Resolving the Circumnuclear Gas Dynamics in NGC 7469 in the Mid-infrared. **2022**, 940, L5 0
- 676 Tracing Interstellar Heating: An ALCHEMI Measurement of the HCN Isomers in NGC 253. **2022**, 939, 119 0
- 675 On the Origin of the Strong Optical Variability of Emission-line Galaxies. **2022**, 940, 35 0
- 674 WATTS: Workflow and template toolkit for simulation. **2022**, 7, 4735 0
- 673 The Steady-State Multi-TeV Diffuse Gamma-Ray Emission Predicted with galprop and Prospects for the Cherenkov Telescope Array. 0
- 672 A Short Gamma-Ray Burst from a Protomagnetar Remnant. **2022**, 939, 106 0
- 671 Multi-gas phases in supernova remnant IC 443: Mapping shocked H<sub>2</sub> with VLT/KMOS. 0
- 670 The Automated Photometry of Transients pipeline (AutoPhOT). **2022**, 667, A62 2
- 669 relensing: Reconstructing the mass profile of galaxy clusters from gravitational lensing. 0
- 668 JWST Imaging of Earendel, the Extremely Magnified Star at Redshift  $z = 6.2$ . **2022**, 940, L1 2
- 667 Extreme value statistics of the halo and stellar mass distributions at high redshift: are JWST results in tension with  $\Lambda$ CDM?. 2
- 666 A New Stellar Companion to GJ 1292. **2022**, 6, 242 0

- 665 Mode Mixing and Rotational Splittings. I. Near-degeneracy Effects Revisited. **2022**, 940, 18 ○
- 664 The demographics of obscured AGN from X-ray spectroscopy guided by multiwavelength information. ○
- 663 A Milliarcsecond-accurate Position for Sagittarius A\*. **2022**, 940, 15 ○
- 662 Efficient Interrogation of the Kinetic Barriers Demarcating Catalytic States of a Tyrosine Kinase with Optimal Physical Descriptors and Mixture Models. ○
- 661 Unveiling a new extragalactic structure hidden by the Milky Way. 1
- 660 The Velocity Dispersion Function for Massive Quiescent and Star-forming Galaxies at  $0.6 < z < 1.0$ . **2022**, 939, 90 ○
- 659 GMAG: An open-source python package for ground-based magnetometers. 9, ○
- 658 The Turndown of the Baryonic Tully-Fisher Relation and Changing Baryon Fraction at Low Galaxy Masses. **2022**, 940, 8 ○
- 657 The ALMA Survey of 70 Dark High-mass Clumps in Early Stages (ASHES). VII. Chemistry of Embedded Dense Cores. **2022**, 939, 102 ○
- 656 Seven Years of Coordinated Chandra-XuSTAR Observations of SN 2014C Unfold the Extreme Mass-loss History of Its Stellar Progenitor. **2022**, 939, 105 ○
- 655 A Q-band Line Survey toward Orion KL Using the Tianma Radio Telescope. **2022**, 263, 13 ○
- 654 Stellar Chromospheric Activity Database of Solar-like Stars Based on the LAMOST Low-Resolution Spectroscopic Survey. **2022**, 263, 12 ○
- 653 Opening the Era of Quasar-host Studies at High Redshift with JWST. **2022**, 939, L28 ○
- 652 First r-process enhanced star confirmed as a member of the Galactic bulge. ○
- 651 Pixel Centroid Characterization with Laser Speckle and Application to the Nancy Grace Roman Space Telescope Detector Arrays. **2022**, 134, 115001 ○
- 650 CLASSY IV. Exploring UV Diagnostics of the Interstellar Medium in Local High-z Analogs at the Dawn of the JWST Era\*. **2022**, 939, 110 ○
- 649 Potential scientific synergies in weak lensing studies between the CSST and Euclid space probes. 1
- 648 COOL-LAMPS. II. Characterizing the Size and Star Formation History of a Bright Strongly Lensed Early-type Galaxy at Redshift 1.02. **2022**, 940, 42 ○



- 647 How do the dynamics of the Milky Way - Large Magellanic Cloud system affect gamma-ray constraints on particle dark matter?. 0
- 646 Molecular Gas Reservoirs in Massive Quiescent Galaxies at  $z \sim 0.7$  Linked to Late-time Star Formation. **2022**, 940, 39 0
- 645 X-ray emission from a rapidly accreting narrow-line Seyfert 1 galaxy at  $z=6.56$ . 0
- 644 First Light And Reionisation Epoch Simulations (FLARES) VII: The star formation and metal enrichment histories of galaxies in the early Universe. 0
- 643 Morphological signatures of mergers in the TNG50 simulation and the Kilo-Degree Survey: the merger fraction from dwarfs to Milky Way-like galaxies. 0
- 642 Dwarf Galaxies with Central Cores in Modified Newtonian Dynamics Gravity. **2022**, 940, 46 0
- 641 First light and reionisation epoch simulations (FLARES) V: The redshift frontier. 2
- 640 Multiwavelength Observations of the Obscuring Wind in the Radio-quiet Quasar MR 2251-178. **2022**, 940, 41 0
- 639 Probing Galactic variations in the fine-structure constant using solar twin stars: Systematic errors. **2022**, 519, 1221-1237 3
- 638 Probing Galactic variations in the fine-structure constant using solar twin stars: methodology and results. **2022**, 519, 1238-1252 3
- 637 sympy2c: From symbolic expressions to fast C/C++ functions and ODE solvers in Python. **2023**, 42, 100666 0
- 636 Astronomical source detection in radio continuum maps with deep neural networks. **2023**, 42, 100682 0
- 635 A preference for cold dark matter over Superfluid Dark Matter in local Milky Way data. **2023**, 39, 101140 0
- 634 The GLEAMing of the first supermassive black holes: II. A new sample of high-redshift radio galaxy candidates. **2022**, 39, 0
- 633 PyThea: An open-source software package to perform 3D reconstruction of coronal mass ejections and shock waves. 9, 1
- 632 How to interpret measurements of diffuse light in stacked observations of groups and clusters of galaxies. **2022**, 518, 3685-3701 0
- 631 Searching for Compact Objects in Binaries with Gaia DR3. **2022**, 940, 126 0
- 630 Spectral Evolution of Ultraluminous X-Ray Pulsar NGC 300 ULX-1. **2022**, 940, 138 0

- 629 A Ghost in Boötes: The Least-Luminous Disrupted Dwarf Galaxy. **2022**, 940, 127 0
- 628 Proper Motions, Orbits, and Tidal Influences of Milky Way Dwarf Spheroidal Galaxies. **2022**, 940, 136 4
- 627 Testing Velocity Kinks as a Planet Detection Method: Do Velocity Kinks in Surface Gas Emission Trace Planetary Spiral Wakes in the Midplane Continuum?. **2022**, 940, L43 0
- 626 Characterization and dynamics of the peculiar stream Jhelum. A tentative role for the Sagittarius dwarf galaxy. 0
- 625 Observations of 4U 1626-77 with the Imaging X-Ray Polarimetry Explorer. **2022**, 940, 70 0
- 624 A First Look into the Nature of JWST/MIRI 7.7  $\mu$ m Sources from SMACS 0723. **2022**, 940, L24 0
- 623 Diverse Properties of Molecular Gas in the Host Galaxies of Fast Radio Bursts. **2022**, 940, L34 0
- 622 APERO: A Pipeline to Reduce Observations Demonstration with SPIROU. **2022**, 134, 114509 1
- 621 Probing Patchy Reionization with the Void Probability Function of Ly $\alpha$  Emitters. **2022**, 940, 102 1
- 620 GOALS-JWST: Unveiling Dusty Compact Sources in the Merging Galaxy II Zw 096. **2022**, 940, L6 0
- 619 Identifying the 3FHL Catalog. VI. Swift Observations of 3FHL Unassociated Objects with Source Classification via Machine Learning. **2022**, 940, 139 0
- 618 The Role of Filamentary Structures in the Formation of Two Dense Cores, L1544 and L694-2. **2022**, 940, 112 1
- 617 Two decades of optical timing of the shortest-period binary star system HM Cancri. **2022**, 518, 5123-5139 0
- 616 A targeted search for repeating fast radio bursts with the MWA. **2022**, 518, 4278-4289 0
- 615 The dark side of galaxy stellar populations III. The dependence of star-formation histories on halo mass and on the scatter of the main sequence. **2022**, 518, 6325-6339 0
- 614 MUSE-ALMA Haloes VIII. Statistical study of circumgalactic medium gas. **2022**, 519, 931-947 1
- 613 Revisiting the Magnetic Field Distribution of Normal Pulsars: Implications for the Multiple Origins for Neutron Stars. **2022**, 134, 114201 0
- 612 Flexible Models for Galaxy Star Formation Histories Both Shift and Scramble the Optical Color-Mass-to-light Ratio (M/L) Relationship. **2022**, 940, 88 0

611	Observational Inference on the Delay Time Distribution of Short Gamma-Ray Bursts. <b>2022</b> , 940, L18	1
610	A New Period Determination Method for Periodic Variable Stars. <b>2022</b> , 134, 114507	0
609	Structure in the Magnetic Field of the Milky Way Disk and Halo Traced by Faraday Rotation. <b>2022</b> , 940, 75	0
608	Preemergence Signatures of Horizontal Divergent Flows in Solar Active Regions. <b>2022</b> , 940, 109	0
607	Testing the Limits of AGN Feedback and the Onset of Thermal Instability in the Most Rapidly Star-forming Brightest Cluster Galaxies. <b>2022</b> , 940, 140	1
606	Tracing PAH Emission in $\rho$ Orionis Using COBE/DIRBE Data. <b>2022</b> , 940, 59	0
605	A Machine-learning Approach to Enhancing eROSITA Observations. <b>2022</b> , 940, 60	0
604	The nature of 500 micron risers III. Multiplicities and environments of sub-mm faint dusty star-forming galaxies. <b>2022</b> , 519, 709-728	0
603	Mock galaxy surveys for HST and JWST from the IllustrisTNG simulations. <b>2022</b> , 518, 6318-6324	0
602	Deep Learning-based Fast Spectral Inversion of H $\alpha$ and Ca II 8542 Line Spectra. <b>2022</b> , 940, 147	0
601	Chasing ICM cooling and AGN feedback from the macro to the meso scales in the galaxy cluster ZwCl 235.	0
600	Near-infrared Extragalactic Background Light Fluctuations on Nonlinear Scales. <b>2022</b> , 940, 115	0
599	Horizons: nuclear astrophysics in the 2020s and beyond. <b>2022</b> , 49, 110502	1
598	Rocky Histories: The Effect of High Excitations on the Formation of Rocky Planets. <b>2022</b> , 940, 144	0
597	An Electron-scattering Time Delay in Black Hole Accretion Disks. <b>2022</b> , 940, L22	0
596	The MOSDEF survey: probing resolved stellar populations at $z \sim 2$ Using a new bayesian-defined morphology metric called patchiness. <b>2022</b> , 518, 4214-4237	0
595	Detection of Intracluster Globular Clusters in the First JWST Images of the Gravitational Lens Cluster SMACS J0723.3-07327 at $z = 0.39$ . <b>2022</b> , 940, L19	0
594	Magnetic activity and parameters of 43 flare stars in the GWAC archive.	0

- 593 A Segmented Period-Luminosity Relation for Nearby Extragalactic Delta Scuti Stars. **2022**, 940, L25 0
- 592 The Gaia-ESO Survey: Old super-metal-rich visitors from the inner Galaxy. 0
- 591 Assessing the physical reality of Milky Way open cluster candidates. **2022**, 518, 6216-6222 0
- 590 A 16 hr Transit of Kepler-167 e Observed by the Ground-based Unistellar Telescope Network. **2022**, 940, L39 0
- 589 Plasma lensing near the eclipses of the Black Widow pulsar B1957+20. **2022**, 519, 121-135 0
- 588 The Disk Population in a Distant Massive Protocluster. **2022**, 940, 124 0
- 587 Simulated Bars May Be Shorter but Are Not Slower Than Those Observed: TNG50 versus MaNGA. **2022**, 940, 61 2
- 586 PRODIGE - Envelope to disk with NOEMA. II. Small-scale temperature structure and streamer feeding the SVS13A protobinary based on CH<sub>3</sub>CN and DCN. 0
- 585 Limiting the accretion disc light in two mass transferring hot subdwarf binaries. **2022**, 519, 148-156 0
- 584 King Ghidorah Supercluster: Mapping the light and dark matter in a new supercluster at  $z \approx 0.55$  using the subaru hyper supprime-cam. **2022**, 519, L45-L50 0
- 583 Collimation of the Relativistic Jet in the Quasar 3C 273. **2022**, 940, 65 0
- 582 Tracking ALMA System Temperature with Water Vapor Data at High Frequency. **2022**, 134, 125001 0
- 581 The X-Ray Polarimetry View of the Accreting Pulsar Cen X-3. **2022**, 941, L14 0
- 580 SPYGLASS. II. The Multigenerational and Multiorigin Star Formation History of Cepheus Far North. **2022**, 941, 49 0
- 579 Evidence for the Disruption of a Planetary System During the Formation of the Helix Nebula. **2023**, 165, 22 0
- 578 JWST PEARLS. Prime Extragalactic Areas for Reionization and Lensing Science: Project Overview and First Results. **2023**, 165, 13 1
- 577 A long-duration gamma-ray burst with a peculiar origin. **2022**, 612, 232-235 1
- 576 Robust Inference of Neutron-star Parameters from Thermonuclear Burst Observations. **2022**, 263, 30 0

575	Dust Hot Spots at 10 au Scales around the Class 0 Binary IRAS 16293-422 A: A Departure from the Passive Irradiation Model. <b>2022</b> , 941, L23	0
574	What Are Those Tiny Things? A First Study of Compact Star Clusters in the SMACS0723 Field with JWST. <b>2022</b> , 941, L11	0
573	Mapping Dark Matter with Extragalactic Stellar Streams: The Case of Centaurus A. <b>2022</b> , 941, 19	2
572	Atomic Gas Scaling Relations of Star-forming Galaxies at $z \approx 1$ . <b>2022</b> , 941, L6	0
571	ArtPop: A Stellar Population and Image Simulation Python Package. <b>2022</b> , 941, 26	0
570	Observing circumplanetary disks with METIS.	0
569	Fraction of stars in clusters for the LEGUS dwarf galaxies.	0
568	Two substellar survivor candidates: one found and one missing. <b>2022</b> , 519, 1381-1395	0
567	Emission Line Galaxies in the SHARDS Hubble Frontier Fields. II. Limits on Lyman-continuum Escape Fractions of Lensed Emission Line Galaxies at Redshifts $2 < z < 3.5$ . <b>2022</b> , 941, 181	0
566	PHANGS-JWST First Results: Spurring on Star Formation: JWST Reveals Localized Star Formation in a Spiral Arm Spur of NGC 628. <b>2022</b> , 941, L27	1
565	The Origin of High-energy Emission in the Young Radio Source PKS 1718-49. <b>2022</b> , 941, 52	0
564	Probing quasar lifetimes with proximate 21-centimetre absorption in the diffuse intergalactic medium at redshifts $z \approx 6$ .	0
563	Concerning Colour: The Effect of Environment on Type Ia Supernova Colour in the Dark Energy Survey.	1
562	Ultraviolet spectropolarimetry: conservative and nonconservative mass transfer in OB interacting binaries. <b>2022</b> , 367,	0
561	Ultraviolet Spectropolarimetry: on the origin of rapidly rotating B stars. <b>2022</b> , 367,	0
560	DUVET: Spatially Resolved Observations of Star Formation Regulation via Galactic Outflows in a Starbursting Disk Galaxy. <b>2022</b> , 941, 163	0
559	A Catalog of Candidate Double and Lensed Quasars from Gaia and WISE Data. <b>2023</b> , 264, 4	0
558	Extreme Nature of Four Blue-excess Dust-obscured Galaxies Revealed by Optical Spectroscopy. <b>2022</b> , 941, 195	0

- 557 GOALS-JWST: Tracing AGN Feedback on the Star-forming Interstellar Medium in NGC 7469. **2022**, 941, L36 0
- 556 Has the dust clump in the debris disk of Beta Pictoris moved? 0
- 555 V-LoTSS: The circularly polarised LOFAR Two-metre Sky Survey. 0
- 554 Properties of Reddened cadmium zinc telluride with respect to x-ray spectroscopy. **2022**, 8, 0
- 553 CO(J = 10) Mapping Survey of 64 Galaxies in the Fornax Cluster with the ALMA Morita Array. **2022**, 263, 40 0
- 552 Accretion Variability of the Multiple T Tauri System VW Cha. **2022**, 941, 177 0
- 551 A Long Time Ago in a Galaxy Far, Far Away: A Candidate  $z \sim 12$  Galaxy in Early JWST CEERS Imaging. **2022**, 940, L55 8
- 550 The PhotoDissociation Region Toolbox: Software and Models for Astrophysical Analysis. **2023**, 165, 25 0
- 549 Characterizing Observed Extra Mixing Trends in Red Giants using the Reduced Density Ratio from Thermohaline Models. **2022**, 941, 164 0
- 548 The Impact of Initial Final Mass Relations on Black Hole Microlensing. **2022**, 941, 116 1
- 547 Deep Narrowband Photometry of the M101 Group: Strong-line Abundances of 720 H ii Regions. **2022**, 941, 182 0
- 546 The Astrometric Animation of Water Masers toward the Mira Variable BX Cam. **2022**, 941, 105 0
- 545 The First Interferometric Measurements of NH<sub>2</sub>D/NH<sub>3</sub> Ratio in Hot Corinos. **2022**, 941, 75 0
- 544 Analysis of Eclipsing Binary Stars and Identification of Exoplanets Using Transit Timing Variation Using data from TESS. **2022**, 2381, 012106 0
- 543 Radial velocity confirmation of a hot super-Neptune discovered by TESS with a warm Saturn-mass companion. 0
- 542 Dark matter halos and scaling relations of extremely massive spiral galaxies from extended H i rotation curves. **2022**, 518, 6340-6354 0
- 541 Constraining the physical properties of the first lensed  $z \sim 9$  galaxy candidates with JWST. 2
- 540 Photometric detection of internal gravity waves in upper main-sequence stars. **2022**, 668, A134 0

- 539 A dichotomy in group II Herbig disks. ALMA gas disk height measurements show both shadowed large vertically extended disks and compact flat disks. ○
- 538 The Possible Tidal Demise of Kepler's First Planetary System. **2022**, 941, L31 ○
- 537 Measured spin-orbit alignment of ultra-short-period super-Earth 55 Cancri e. ○
- 536 The size-mass and other structural parameter ( $n$ ,  $\bar{\nu}$ ,  $R_z$ ) relations for local bulges/spheroids from multicomponent decompositions. ○
- 535 First semi-empirical test of the white dwarf mass-radius relationship using a single white dwarf via astrometric microlensing. ○
- 534 Ultra-diffuse Galaxies as Extreme Star-forming Environments. I. Mapping Star Formation in H I-rich UDGs. **2022**, 941, 11 ○
- 533 Characterization of Population III Stars with Stellar Atmosphere and Evolutionary Modeling and Predictions of their Observability with the JWST. **2023**, 165, 2 1
- 532 Evidence for the volatile-rich composition of a 1.5-Earth-radius planet. ○
- 531 Spectroscopic Mapping of Io's Surface with HST/STIS: SO<sub>2</sub> Frost, Sulfur Allotropes, and Large-scale Compositional Patterns. **2022**, 3, 272 ○
- 530 Meta-analysis of Photometric and Asteroseismic Measurements of Stellar Rotation Periods: The Lomb-Scargle Periodogram, Autocorrelation Function, and Wavelet and Rotational Splitting Analysis for 92 Kepler Asteroseismic Targets. **2022**, 941, 175 ○
- 529 AGN Selection and Demographics in GOODS-S/HUDF from X-Ray to Radio. **2022**, 941, 191 1
- 528 Brighter and More Massive Galaxies in the Vicinity of Ly $\alpha$  Nebulae. **2022**, 941, 180 ○
- 527 Testing the Retrieval of Inner Disk Water Enrichment with Spitzer/IRS and JWST/MIRI. **2022**, 941, 187 ○
- 526 Overcoming Separation Between Counterparts Due to Unknown Proper Motions in Catalogue Cross-Matching. ○
- 525 Moving groups across Galactocentric radius with Gaia DR3. **2022**, 519, 432-444 1
- 524 Tidally locked rotation of the dwarf planet (136199) Eris discovered via long-term ground-based and space photometry. ○
- 523 Velocity-coherent substructure in TMC-1: inflow and fragmentation. **2022**, 519, 285-299 ○
- 522 Spectroscopic Confirmation of a Population of Isolated, Intermediate-mass Young Stellar Objects. **2023**, 165, 3 ○

- 521 An Atmospheric Retrieval of the Brown Dwarf Gliese 229B. **2022**, 940, 164 1
- 520 Occurrence Rate of Hot Jupiters Around Early-type M Dwarfs Based on Transiting Exoplanet Survey Satellite Data. **2023**, 165, 17 0
- 519 Can we constrain galaxy geometry parameters using spatially integrated SED fitting?. 0
- 518 Semi-analytic forecasts for Roman II: the beginning of a new era of deep-wide galaxy surveys. 0
- 517 Constraining Sterile Neutrino Dark Matter in the Milky Way Halo with Swift-XRT. **2022**, 941, 2 0
- 516 Occurrence rate of hot Jupiters orbiting red giant stars. 0
- 515 Searching for Converging Flows of Atomic Gas onto a Molecular Cloud. **2022**, 941, 62 0
- 514 The Sensitivity of Eclipse Mapping to Planetary Rotation. **2023**, 165, 24 0
- 513 Optimising the shape of photometric redshift distributions with clustering cross-correlations. 0
- 512 CHANG-ES. XXVI. Insights into cosmic-ray transport from radio halos in edge-on galaxies. 0
- 511 Resolved Molecular Gas Observations of MaNGA Post-starbursts Reveal a Tumultuous Past. **2022**, 941, 93 1
- 510 Hard X-Ray Observations of the Hydrogen-poor Superluminous Supernova SN 2018hti with NuSTAR. **2022**, 941, L16 0
- 509 An Ultra-deep Multiband Very Large Array (VLA) Survey of the Faint Radio Sky (COSMOS-XS): New Constraints on the Cosmic Star Formation History. **2022**, 941, 10 0
- 508 TOI 560: Two Transiting Planets Orbiting a K Dwarf Validated with iSHELL, PFS, and HIRES RVs. **2023**, 165, 10 0
- 507 Powerful Yet Lonely: Is 3C 297 a High-redshift Fossil Group?. **2023**, 264, 6 0
- 506 No Peaks without Valleys: The Stable Mass Transfer Channel for Gravitational-wave Sources in Light of the Neutron Star/Black Hole Mass Gap. **2022**, 940, 184 1
- 505 New stellar velocity substructures from Gaia DR3 proper motions. 0
- 504 The X-shooter/ALMA Sample of Quasars in the Epoch of Reionization. II. Black Hole Masses, Eddington Ratios, and the Formation of the First Quasars. **2022**, 941, 106 1



503	CORINOS. I. JWST/MIRI Spectroscopy and Imaging of a Class 0 Protostar IRAS 15398B359. <b>2022</b> , 941, L13	0
502	FUMES. III. Ultraviolet and Optical Variability of M-dwarf Chromospheres. <b>2023</b> , 165, 12	0
501	The Host Galaxies of Hybrid Morphology Radio Sources. <b>2022</b> , 941, 136	0
500	Herschel Optimized Tau and Temperature (HOTT) Maps: Uncertainty Analysis and Robust Parameter Extraction. <b>2022</b> , 941, 135	1
499	Hazy with a Chance of Star Spots: Constraining the Atmosphere of Young Planet K2-33b. <b>2023</b> , 165, 23	0
498	SPYGLASS. III. The Fornax Horologium Association and Its Traceback History within the Austral Complex. <b>2022</b> , 941, 143	1
497	Probabilistic mass-mapping with neural score estimation.	0
496	PACMAN: A pipeline to reduce and analyze Hubble Wide Field Camera 3 IR Grism data. <b>2022</b> , 7, 4838	0
495	Redshift Survey of 12 Moderate-redshift Clusters. <b>2022</b> , 6, 277	0
494	Towards the impact of GMC collisions on the star formation rate.	0
493	Detection of anisotropic satellite quenching in galaxy clusters up to $z \sim 1$ . <b>2022</b> , 519, 13-25	1
492	Nature of the Galaxies On Top Of Quasars producing Mg $\text{ii}$ absorption.	0
491	The Spectroscopic Classification of Astronomical Transients (SCAT) Survey: Overview, Pipeline Description, Initial Results, and Future Plans. <b>2022</b> , 134, 124502	1
490	On the ages of bright galaxies ~500 Myr after the big bang: insights into star formation activity at $z \sim 15$ with JWST. <b>2022</b> , 519, 157-171	3
489	RR Lyrae stars as probes of the outer Galactic halo: Chemical and kinematic analysis of a pilot sample.	0
488	BioNumPy: Fast and easy analysis of biological data with Python.	0
487	A comparative analysis of the chemical compositions of Gaia-Enceladus/Sausage and Milky Way satellites using APOGEE.	0
486	A close-in planet orbiting giant star HD 167768.	0

485	Classifying Unidentified X-Ray Sources in the Chandra Source Catalog Using a Multiwavelength Machine-learning Approach. <b>2022</b> , 941, 104	1
484	Understanding the role of morphology and environment in the dynamical evolution of isolated galaxy triplets.	0
483	Photometric Properties of Jupiter Trojans Detected by the Dark Energy Survey. <b>2022</b> , 3, 269	0
482	Time-variable Jet Ejections from RW Aur A, RY Tau, and DG Tau*. <b>2023</b> , 264, 1	0
481	ALMA Observations of the HD 110058 Debris Disk. <b>2022</b> , 940, 161	1
480	Metallicity Gradient of Barred Galaxies with TYPHOON.	0
479	A measurement of the distance to the Galactic centre using the kinematics of bar stars. <b>2022</b> , 519, 948-960	2
478	An Interpretable Machine-learning Framework for Modeling High-resolution Spectroscopic Data*. <b>2022</b> , 941, 200	1
477	Radio Transients and Variables in the Tenth Deeper, Wider, Faster Observing Run.	0
476	Kamodo model-agnostic satellite flythrough: Lowering the utilization barrier for heliophysics model outputs. 9,	0
475	LoTSS Jellyfish Galaxies. IV. Enhanced Star Formation on the Leading Half of Cluster Galaxies and Gas Compression in IC3949. <b>2022</b> , 941, 77	0
474	Grain Growth in the Dust Ring with a Crescent around the Very Low-mass Star ZZ Tau IRS with JVLA. <b>2022</b> , 941, 66	0
473	Planet engulfment signatures in twin stars. <b>2022</b> , 518, 5465-5474	1
472	Conditional H I Mass Functions and the H I-to-halo Mass Relation in the Local Universe. <b>2022</b> , 941, 48	0
471	ALMA Observations of CO Emission from Luminous Lyman-break Galaxies at $z = 6.0293$ . <b>2022</b> , 941, 74	0
470	Interaction of a high-mass X-ray binary with the interstellar medium through stellar wind. The case of GX 301-2.	0
469	Colour gradients of low-redshift galaxies in the DESI Legacy Imaging Survey. <b>2022</b> , 518, 3999-4023	0
468	Satellite Constellation Avoidance with the Rubin Observatory Legacy Survey of Space and Time. <b>2022</b> , 941, L15	0

467	Constraints on Cosmological Parameters with a Sample of Type Ia Supernovae from JWST. <b>2022</b> , 941, 71	0
466	Prompt Emission and Early Optical Afterglow of Very-high-energy Detected GRB 201015A and GRB 201216C: Onset of the External Forward Shock. <b>2023</b> , 942, 34	0
465	Diverse Carbonates in Exoplanet Oceans Promote the Carbon Cycle. <b>2023</b> , 942, L20	0
464	Astrometric Accelerations as Dynamical Beacons: Discovery and Characterization of HIP 21152 B, the First T-dwarf Companion in the Hyades*. <b>2023</b> , 165, 39	0
463	GOALS-JWST: Mid-infrared Spectroscopy of the Nucleus of NGC 7469. <b>2023</b> , 942, L37	1
462	TESS Giants Transiting Giants. III. An Eccentric Warm Jupiter Supports a Period-Eccentricity Relation for Giant Planets Transiting Evolved Stars. <b>2023</b> , 165, 44	0
461	Star formation histories of UV-luminous galaxies at $z \approx 6.8$ : Implications for stellar mass assembly at early cosmic times.	1
460	Clustering dependence on Ly $\alpha$ luminosity from MUSE surveys at $z \approx 6$ .	0
459	The PHANGS-MUSE Nebular Catalogue.	0
458	TOI-1075 b: A Dense, Massive, Ultra-short-period Hot Super-Earth Straddling the Radius Gap. <b>2023</b> , 165, 47	0
457	Reflections on nebulae around young stars. A systematic search for late-stage infall of material onto Class II disks.	0
456	A deep radius valley revealed by Kepler short cadence observations. <b>2023</b> , 519, 4056-4073	1
455	Multi-probe analysis of the galaxy cluster CL J1226.9+3332. Hydrostatic mass and hydrostatic-to-lensing bias.	0
454	A Light in the Dark: Searching for Electromagnetic Counterparts to Black Hole-Black Hole Mergers in LIGO/Virgo O3 with the Zwicky Transient Facility. <b>2023</b> , 942, 99	0
453	The VLT/SPHERE view of the ATOMIUM cool evolved star sample. I. Overview: Sample characterization through polarization analysis.	0
452	Early Release Science of the Exoplanet WASP-39b with JWST NIRSpec G395H.	1
451	Early Release Science of the exoplanet WASP-39b with JWST NIRSpec PRISM.	1
450	UGC 4211: A Confirmed Dual Active Galactic Nucleus in the Local Universe at 230 pc Nuclear Separation. <b>2023</b> , 942, L24	1

- 449 Where are the missing symbiotic stars? Uncovering hidden Symbiotic Stars in public catalogues. ○
- 448 Cosmic-CoNN: A Cosmic-Ray Detection Deep-learning Framework, Data Set, and Toolkit. **2023**, 942, 73 ○
- 447 On the Origin of the North Celestial Pole Loop. **2023**, 942, 70 ○
- 446 The shocked molecular layer in RCW 120. ○
- 445 Multiwavelength scrutiny of X-ray sources in dwarf galaxies: ULXs versus AGN. ○
- 444 Ageing and quenching through the ageing diagram: predictions from simulations and observational constraints. ○
- 443 OzDES reverberation mapping program: H $\alpha$  flags from the 6-year survey. ○
- 442 The Roles of Morphology and Environment on the Star Formation Rate-Stellar Mass Relation in COSMOS from  $0 < z < 3.5$ . **2023**, 942, 49 ○
- 441 Light Curves of Trans-Neptunian Objects from the K2 Mission of the Kepler Space Telescope. **2023**, 264, 18 ○
- 440 High-resolution X-ray spectra of RS Ophiuchi (2006 and 2021): Revealing the cause of SSS variability. ○
- 439 The Target-selection Pipeline for the Dark Energy Spectroscopic Instrument. **2023**, 165, 50 1
- 438 A Low-mass, Pre-main-sequence Eclipsing Binary in the 40 Myr Columba Association: Fundamental Stellar Parameters and Modeling the Effect of Star Spots. **2023**, 165, 46 ○
- 437 Salt-bearing Disk Candidates around High-mass Young Stellar Objects. **2023**, 942, 66 ○
- 436 Forecast of cosmological constraints with type Ia supernovae from the Chinese Space Station Telescope. **2023**, 66, ○
- 435 Impact of updated multipole Love numbers and f-Love universal relations in the context of binary neutron stars. **2023**, 107, ○
- 434 The Dark Energy Camera Plane Survey 2 (DECaPS2): More Sky, Less Bias, and Better Uncertainties. **2023**, 264, 28 1
- 433 A Candidate for the Least-massive Black Hole in the First 1.1 Billion Years of the Universe. **2023**, 942, L17 1
- 432 The Faraday Rotation Measure Grid of the LOFAR Two-metre Sky Survey: Data Release 2. 1

431	Detailed Chemical Abundances of Stars in the Outskirts of the Tucana II Ultrafaint Dwarf Galaxy*. <b>2023</b> , 165, 55	0
430	The Gaia view of the Cepheus OB2 association.	0
429	Optical/γ-ray blazar flare correlations: understanding the high-energy emission process using ASAS-SN and Fermi light curves.	0
428	Systems Approach to Polarization Calibration for the Daniel K. Inouye Solar Telescope (DKIST). <b>2023</b> , 298,	0
427	Precise physical conditions for the warm gas outflows in the nearby active galaxy IC 5063.	0
426	Rotational modulation in A and F stars: Magnetic stellar spots or convective core rotation?.	0
425	Twisted magnetic field in star formation processes of L1521 F revealed by submillimeter dual-band polarimetry using the James Clerk Maxwell Telescope.	0
424	A unique, ring-like radio source with quadrilateral structure detected with machine learning.	0
423	GRB 160410A: the first Chemical Study of the Interstellar Medium of a Short GRB.	0
422	PySME. Spectroscopy Made Easier.	0
421	Resolved near-UV hydrogen emission lines at 40-Myr super-Jovian protoplanet Delorme 1 (AB)b. <b>2023</b> , 669, L12	0
420	Constraints on the X-ray Luminosity Function of AGN at $z = 5.7$ to $6.4$ with the Extragalactic Serendipitous Swift Survey.	0
419	Modeling Strong Lenses from Wide-Field Ground-Based Observations in KiDS and GAMA.	0
418	JWST PEARLS: A JWST/NIRCam View of ALMA Sources. <b>2023</b> , 942, L19	0
417	Stellar Properties for a Comprehensive Collection of Star-forming Regions in the SDSS APOGEE-2 Survey*. <b>2023</b> , 165, 51	0
416	Effects of rotation on the spectroscopic observables of massive stars. <b>2023</b> , 669, L11	0
415	Combining cosmic shear data with correlated photo-z uncertainties: constraints from DESY1 and HSC-DR1. <b>2023</b> , 2023, 025	0
414	Target Selection and Validation of DESI Luminous Red Galaxies. <b>2023</b> , 165, 58	3

413	The origin of ultramassive White Dwarfs: Hints from Gaia EDR3.	0
412	Morpheus Reveals Distant Disk Galaxy Morphologies with JWST: The First AI/ML Analysis of JWST Images. <b>2023</b> , 942, L42	1
411	The value-added catalog of ASAS-SN eclipsing binaries II: Properties of extra-physics systems.	1
410	Digging into the Galactic Bulge: Stellar Population and Structure of the Poorly Studied Cluster NGC 6316. <b>2023</b> , 942, 104	0
409	Dependence of Chemical Abundance on the Cosmic-Ray Ionization Rate in IC 348. <b>2023</b> , 942, 101	0
408	Predictions on the stellar-to-halo mass relation in the dwarf regime using the empirical model for galaxy formation Emerge.	0
407	Kepler K2 and TESS Observations of Two Magnetic Cataclysmic Variables: The New Asynchronous Polar SDSS J084617.11+245344.1 and Paloma. <b>2023</b> , 165, 43	0
406	QUIJOTE scientific results IX. Radio sources in the QUIJOTE-MFI wide survey maps. <b>2023</b> , 519, 3526-3545	2
405	Searches for Shapiro delay in seven binary pulsars using the MeerKAT telescope.	0
404	(Nearly) Model-independent Constraints on the Neutral Hydrogen Fraction in the Intergalactic Medium at $z \sim 5$ Using Dark Pixel Fractions in Ly $\alpha$ and Ly $\beta$ Forests. <b>2023</b> , 942, 59	0
403	The State of the Molecular Gas in Post-starburst Galaxies. <b>2023</b> , 942, 25	0
402	Spatio-temporal comparisons of the hydrogen-alpha line width and ALMA 3 mm brightness temperature in the weak solar network. 9,	0
401	The Relationship between Age, Metallicity, and Abundances for Disk Stars in a Simulated Milky Way. <b>2023</b> , 942, 35	0
400	Constraining the Densities of the Three Kepler-289 Planets with Transit Timing Variations. <b>2023</b> , 165, 48	0
399	unTimely: a Full-sky, Time-domain unWISE Catalog. <b>2023</b> , 165, 36	0
398	The ASAS-SN catalogue of variable stars X: discovery of 116 000 new variable stars using G-band photometry. <b>2023</b> , 519, 5271-5287	2
397	Searching for New Supernova Remnant Candidates from the VTSS Survey. <b>2022</b> , 43, 760-768	0
396	Implications of the Milky Way Travel Velocity for Dynamical Mass Estimates of the Local Group. <b>2023</b> , 942, 18	2

- 395 Interpreting ALMA non-detections of JWST super-early galaxies. **2022**, 520, L16-L20 ○
- 394 An Elusive Population of Massive Disk Galaxies Hosting Double-lobed Radio-loud Active Galactic Nuclei. **2022**, 941, 95 ○
- 393 Extragalactic Magnetism with SOFIA (SALSA Legacy Program): The Magnetic Fields in the Multiphase Interstellar Medium of the Antennae Galaxies\*. **2023**, 942, L13 ○
- 392 Gas-rich, Field Ultra-diffuse Galaxies Host Few Globular Clusters. **2023**, 942, L5 ○
- 391 The SOFIA Massive (SOMA) Star Formation Survey. IV. Isolated Protostars. **2023**, 942, 7 ○
- 390 A Localized Kinematic Structure Detected in Atomic Carbon Emission Spatially Coincident with a Proposed Protoplanet in the HD 163296 Disk. **2022**, 941, L24 ○
- 389 Radio jetISM interaction and positive radio-mechanical feedback in Abell 1795. **2023**, 519, 3338-3356 ○
- 388 The H $\alpha$  and [O iii]  $\lambda$ 5007 Luminosity Functions of 1.2 <math>z < 1.9</math> Emission-line Galaxies from Hubble Space Telescope (HST) Grism Spectroscopy. **2023**, 943, 5 ○
- 387 TESSGaia Light Curve: A PSF-based TESS FFI Light-curve Product. **2023**, 165, 71 ○
- 386 A Green Bank Telescope Search for Narrowband Technosignatures between 1.1 and 1.9 GHz During 12 Kepler Planetary Transits. **2023**, 165, 61 ○
- 385 Kepler-102: Masses and Compositions for a Super-Earth and Sub-Neptune Orbiting an Active Star. **2023**, 165, 74 ○
- 384 Resolved SPLASH Chemodynamics in Andromeda's PHAT Stellar Halo and Disk: On the Nature of the Inner Halo along the Major Axis. **2023**, 165, 75 ○
- 383 A Systematic Search for Short-period Close White Dwarf Binary Candidates Based on Gaia EDR3 Catalog and Zwicky Transient Facility Data. **2023**, 264, 39 ○
- 382 PyAutoGalaxy: Open-Source Multiwavelength Galaxy Structure & Morphology. **2023**, 8, 4475 2
- 381 The McDonald Accelerating Stars Survey: Architecture of the Ancient Five-planet Host System Kepler-444. **2023**, 165, 73 ○
- 380 Inner Habitable Zone Boundary for Eccentric Exoplanets. **2023**, 943, L1 ○
- 379 A Standard Siren Measurement of the Hubble Constant Using Gravitational-wave Events from the First Three LIGO/Virgo Observing Runs and the DESI Legacy Survey. **2023**, 943, 56 ○
- 378 Pixel-to-pixel Translation of Solar Extreme-ultraviolet Images for DEMs by Fully Connected Networks. **2023**, 264, 33 ○

- 377 Revealing the milky way's most recent major merger with a Gaia EDR3 catalog of machine-learned line-of-sight velocities. ○
- 376 An increase in black hole activity in galaxies with kinematically misaligned gas. ○
- 375 Hot Subdwarf Stars Identified in LAMOST DR8 with Single-lined and Composite Spectra. **2023**, 942, 109 ○
- 374 Ghost in the Shell: Evidence for Past Active Galactic Nucleus Activities in NGC 5195 from a Newly Discovered Large-scale Ionized Structure. **2023**, 943, 28 1
- 373 VISIONS: The VISTA Star Formation Atlas. I. Survey overview. ○
- 372 JWST NIRCcam Defocused Imaging: Photometric Stability Performance and How It Can Sense Mirror Tilts. **2023**, 135, 018001 ○
- 371 Molecular clouds at the eastern edge of radio nebula W50. ○
- 370 A Naive Bayes Classifier for identifying Class II YSOs. ○
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- 368 Nonequilibrium Ionization Modeling of Petschek-type Shocks in Reconnecting Current Sheets in Solar Eruptions. **2023**, 943, 111 ○
- 367 The star-formation history in the last 10 billion years from CIB cross-correlations. **2023**, 520, 1895-1912 ○
- 366 Modelling populations of kilonovae. ○
- 365 Estimating Molecular Gas Content in Galaxies from Polycyclic Aromatic Hydrocarbon Emission. **2023**, 943, 1 ○
- 364 The Ionizing Spectra of Extremely Metal-poor O Stars: Constraints from the Only H II Region in Leo P. **2023**, 943, 65 ○
- 363 The Pan-STARRS1 z > 5.6 Quasar Survey. III. The z > 5.6 Quasar Luminosity Function. **2023**, 943, 67 ○
- 362 Speckle Space-time Covariance in High-contrast Imaging. **2023**, 165, 59 ○
- 361 An ~600 pc View of the Strongly Lensed, Massive Main-sequence Galaxy J0901: A Baryon-dominated, Thick Turbulent Rotating Disk with a Clumpy Cold Gas Ring at z = 2.259. **2023**, 942, 98 ○
- 360 CARMA-NRO Orion Survey: Unbiased Survey of Dense Cores and Core Mass Functions in Orion A. **2023**, 264, 35 ○



- 359 A Highly Magnified Gravitationally Lensed Red QSO at  $z = 2.5$  with a Significant Flux Ratio Anomaly. **2023**, 943, 25 ○
- 358 Constraining the physics of star formation from CIB-cosmic shear cross-correlations. **2023**, 520, 583-598 ○
- 357 Catching a Milky Way open cluster in its last breath. **2023**, 519, 6239-6245 ○
- 356 The SOUX AGN Sample: SDSS $\times$ MM-Newton Optical, Ultraviolet and X-ray selected active galactic nuclei spanning a wide range of parameter space  $\mathbb{I}$ Sample definition. ○
- 355 Molecular Mapping of DR Tau $\mathbb{I}$  Protoplanetary Disk, Envelope, Outflow, and Large-scale Spiral Arm. **2023**, 943, 107 ○
- 354 Transit timing variation analysis of the low-mass brown dwarf KELT-1 'b'. ○
- 353 CLEAR: Spatially Resolved Emission Lines and Active Galactic Nuclei at  $0.6 < z < 1.3$ . **2023**, 943, 37 ○
- 352 Investigating the Narrow-line Region Dynamics in Nearby Active Galaxies. **2023**, 943, 98 ○
- 351 The complex multiscale structure in simulated and observed emission maps of the proto-cluster cloud G0.253+0.016 (The Brick $\mathbb{I}$ ). **2023**, 520, 2245-2268 ○
- 350 Photometric and Structural Parameters of Newly Discovered Nuclear Star Clusters in Local Volume Galaxies. ○
- 349 Simulated performance of the molecular mapping for young giant exoplanets with the Medium-Resolution Spectrometer of JWST/MIRI. ○
- 348 Multiwavelength Analysis of a Nearby Heavily Obscured AGN in NGC 449. **2023**, 135, 014102 ○
- 347 Distance determination of molecular clouds in the first quadrant of the Galactic plane using deep learning: I. Method and results. **2023**, 75, 279-295 ○
- 346 PHANGS-MUSE: Detection and Bayesian classification of  $\sim 40000$  ionised nebulae in nearby spiral galaxies. ○
- 345 When Spectral Modeling Meets Convolutional Networks: A Method for Discovering Reionization-era Lensed Quasars in Multiband Imaging Data. **2023**, 943, 150 ○
- 344 A Comparison of the Baryonic Tully-Fisher Relation in MaNGA and IllustrisTNG. ○
- 343 POSYDON: A General-purpose Population Synthesis Code with Detailed Binary-evolution Simulations. **2023**, 264, 45 1
- 342 The Influence of the Galactic Bar on the Dynamics of Globular Clusters. **2023**, 11, 26 ○

- 341 Identifying Habitable-zone Planet Systems Susceptible to Nearby Supernovae. **2023**, 7, 21 ○
- 340 Discovery of the luminous X-ray ignition eRASSt J234402.9-352640. I. Tidal disruption event or a rapid increase in accretion in an active galactic nucleus? ○
- 339 Probing the Stellar Wind of the Wolf-Rayet Star in IC 10 X-1. **2023**, 944, 52 ○
- 338 Using Neural Networks to Differentiate Newly Discovered BL Lacertae Objects and FSRQs among the 4FGL Unassociated Sources Employing Gamma-Ray, X-Ray, UV/Optical, and IR Data. **2023**, 943, 167 ○
- 337 Correcting bandwidth depolarization by extreme Faraday rotation. **2023**, 520, 4822-4835 ○
- 336 Temporal spectrum of spatial correlations between GNSS station position time series. **2023**, 97, ○
- 335 An optimal envelope ejection efficiency for merging neutron stars. ○
- 334 Comet-like Activity Discovered on Quasi-Hilda Asteroid 2009 DQ118. **2023**, 7, 42 ○
- 333 Star Formation Laws and Efficiencies across 80 Nearby Galaxies. **2023**, 945, L19 ○
- 332 Temporal variation of the photometric magnetic activity for the Sun and Kepler solar-like stars. **2023**, 672, A56 ○
- 331 The Evryscope Fast Transient Engine: Real-time Detection for Rapidly Evolving Transients. **2023**, 265, 63 ○
- 330 ALMA ACA study of the H<sub>2</sub>S/OCS ratio in low-mass protostars. **2023**, 672, A122 ○
- 329 Searching for Compact Object Candidates from LAMOST Time-domain Survey of Four K2 Plates. **2023**, 165, 187 ○
- 328 Zwicky Transient Facility and Globular Clusters: The Period-Luminosity and Period-Magnitude Relations for SX Phoenicis Variables in the gri Band. **2023**, 165, 190 ○
- 327 Stellar Escape from Globular Clusters. I. Escape Mechanisms and Properties at Ejection. **2023**, 946, 104 ○
- 326 Tracking the Enigmatic Globular Cluster Ultracompact X-Ray Binary X1850087: Extreme Radio Variability in the Hard State. **2023**, 946, 88 ○
- 325 TEMGYM Advanced NanoMi lens characterisation. **2023**, 169, 103450 ○
- 324 Characterising SMSS J21570602, the most luminous known quasar, with accretion disc models. **2023**, 521, 3682-3698 ○

- 323 ExoPSI: A Planet Similarity Python toolkit. ○
- 322 [C ii] Haloes in ALPINE galaxies: smoking-gun of galactic outflows?. **2023**, 519, 4608-4621 ○
- 321 Massive galaxy formation caught in action at  $z \sim 5$  with JWST. **2023**, 670, L11 ○
- 320 DeepZipper. II. Searching for Lensed Supernovae in Dark Energy Survey Data with Deep Learning. **2023**, 943, 19 ○
- 319 Mini-moons from horseshoes: A physical characterization of 2022 NX1 with OSIRIS at the 10.4 m Gran Telescopio Canarias. **2023**, 670, L10 ○
- 318 Measuring the variability of directly imaged exoplanets using vector Apodizing Phase Plates combined with ground-based differential spectrophotometry. **2023**, 520, 4235-4257 ○
- 317 Rethinking data-driven point spread function modeling with a differentiable optical model. **2023**, 39, 035008 ○
- 316 Neutron star mass estimates from gamma-ray eclipses in spider millisecond pulsar binaries. **2023**, 7, 451-462 ○
- 315 Models of Rotating Infall for the B335 Protostar. **2023**, 943, 90 ○
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- 313 Polarized Maser Emission with In-source Faraday Rotation. **2023**, 943, 123 ○
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- 310 The AstroSat UV Deep Field North: The Far- and Near-ultraviolet Photometric Catalog. **2023**, 264, 40 ○
- 309 The deconvolved distribution estimator: enhancing reionization-era CO line-intensity mapping analyses with a cross-correlation analogue for one-point statistics. **2023**, 520, 5305-5316 ○
- 308 A puffy polar planet. **2023**, 671, A164 ○
- 307 Discovery of a red backsplash galaxy candidate near M81. **2023**, 520, 4715-4729 ○
- 306 Dusty-wind-clear JWST Super-early Galaxies. **2023**, 943, L27 1

- 305 Non-thermal broadening of IRIS Fe XXI line caused by turbulent plasma flows in the magnetic reconnection region during solar eruptions. 10, ○
- 304 MusE GAs FLOW and Wind (MEGAFLOW) IX. The impact of gas flows on the relations between the mass, star formation rate, and metallicity of galaxies. **2023**, 521, 546-557 ○
- 303 M dwarf stars in the b294 field from the VISTA Variables in the V $\beta$  L $\alpha$ tea (VVV). **2023**, 520, 4730-4739 ○
- 302 Tidally perturbed gravity-mode pulsations in a sample of close eclipsing binaries. **2023**, 671, A121 ○
- 301 Hubble Space Telescope Transmission Spectroscopy for the Temperate Sub-Neptune TOI-270 d: A Possible Hydrogen-rich Atmosphere Containing Water Vapor. **2023**, 165, 84 ○
- 300 Precision Ephemerides for Gravitational-wave Searches IV. Corrected and refined ephemeris for Scorpius X-1. **2023**, 520, 5317-5330 ○
- 299 TESS Hunt for Young and Maturing Exoplanets (THYME). IX. A 27 Myr Extended Population of Lower Centaurus Crux with a Transiting Two-planet System. **2023**, 165, 85 ○
- 298 ALMA Resolves the First Strongly Lensed Optical/Near-IR-dark Galaxy. **2023**, 943, 151 ○
- 297 Size and Spectroscopic Evolution of HectoMAP Quiescent Galaxies. **2023**, 943, 149 ○
- 296 EAGLE-like simulation models do not solve the entropy core problem in groups and clusters of galaxies. **2023**, 520, 3164-3186 ○
- 295 On the Cosmic Evolution of AGN Obscuration and the X-Ray Luminosity Function: XMM-Newton and Chandra Spectral Analysis of the 31.3 deg<sup>2</sup> Stripe 82X. **2023**, 943, 162 ○
- 294 Modelling the accretion and feedback of supermassive black hole binaries in gas-rich galaxy mergers. **2023**, 520, 4463-4489 ○
- 293 HOLISMOKES. **2023**, 671, A147 ○
- 292 Gamma-Ray Emission from Galaxies Hosting Molecular Outflows. **2023**, 943, 168 ○
- 291 Cutoff of transverse waves through the solar transition region. **2023**, 672, A105 ○
- 290 TOI-561 b: A Low-density Ultra-short-period Rocky Planet around a Metal-poor Star. **2023**, 165, 88 ○
- 289 A New Physical Picture for Active Galactic Nuclei Lacking Optical Emission Lines. **2023**, 943, 174 ○
- 288 Understanding and predicting cadence effects in the characterization of exoplanet transits. **2023**, 520, 4103-4117 ○

287	Dynamically constraining the length of the Milky way bar. <b>2023</b> , 520, 4779-4792	1
286	A 0.9% calibration of the Galactic Cepheid luminosity scale based on Gaia DR3 data of open clusters and Cepheids. <b>2023</b> , 672, A85	0
285	Constraints on Stellar Flare Energy Ratios in the NUV and Optical from a Multiwavelength Study of GALEX and Kepler Flare Stars. <b>2023</b> , 944, 5	0
284	The Planck clusters in the LOFAR sky. <b>2023</b> , 672, A41	0
283	Probing the Earliest Phases in the Formation of Massive Galaxies with Simulated HST+JWST Imaging Data from Illustris. <b>2023</b> , 944, 3	0
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280	Universal gravity-driven isothermal turbulence cascade in disk galaxies. <b>2023</b> , 672, A193	0
279	TESS Discovery of Twin Planets near 2:1 Resonance around Early M Dwarf TOI 4342. <b>2023</b> , 165, 93	0
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277	White Dwarfs with Infrared Excess from LAMOST Data Release 5. <b>2023</b> , 944, 23	0
276	Far-ultraviolet Dust Extinction and Molecular Hydrogen in the Diffuse Milky Way Interstellar Medium. <b>2023</b> , 944, 33	0
275	Enhanced Star Formation Efficiency in the Central Regions of Nearby Quasar Hosts. <b>2023</b> , 944, 30	0
274	Identifying Exoplanets with Deep Learning. V. Improved Light-curve Classification for TESS Full-frame Image Observations. <b>2023</b> , 165, 95	1
273	DESI Observations of the Andromeda Galaxy: Revealing the Immigration History of Our Nearest Neighbor. <b>2023</b> , 944, 1	0
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271	The RATAN-600 Multi-Frequency Catalogue of BlazarsBLcat. <b>2022</b> , 77, 361-371	1
270	Untangling the Sources of Abundance Dispersion in Low-metallicity Stars. <b>2023</b> , 944, 47	0

- 269 Do Central Compact Objects have Carbon Atmospheres?. **2023**, 944, 36 ○
- 268 TOI-836: A super-Earth and mini-Neptune transiting a nearby K-dwarf. **2023**, 520, 3649-3668 ○
- 267 The e-TidalGCs project. Modeling the extra-tidal features generated by Galactic globular clusters. ○
- 266 The redshift evolution of the S0 fraction for  $z < 1$  in COSMOS. **2023**, 520, 5885-5902 ○
- 265 The hot Neptune WASP-166 b with ESPRESSO III. A blue-shifted tentative water signal constrains the presence of clouds. **2023**, 521, 1233-1252 ○
- 264 DSPS: Differentiable stellar population synthesis. **2023**, 521, 1741-1756 ○
- 263 Constraints on S8 from a full-scale and full-shape analysis of redshift-space clustering and galaxy-galaxy lensing in BOSS. **2023**, 520, 5373-5393 ○
- 262 Efficient computation of the super-sample covariance for stage IV galaxy surveys. **2023**, 671, A115 ○
- 261 Catalog of Magnetic White Dwarfs with Hydrogen Dominated Atmospheres. **2023**, 944, 56 ○
- 260 The Hubble Space Telescope UV Legacy Survey of Galactic Globular Clusters. XXIV. Differences in Internal Kinematics of Multiple Stellar Populations. **2023**, 944, 58 1
- 259 Metal Mixing in the r-process Enhanced Ultrafaint Dwarf Galaxy Reticulum II\*. **2023**, 165, 100 ○
- 258 Scattered polarized radiation of extrasolar circumplanetary rings. **2023**, 671, A113 ○
- 257 ExoClock Project. III. 450 New Exoplanet Ephemerides from Ground and Space Observations. **2023**, 265, 4 ○
- 256 Galaxy Populations in Groups and Clusters: Evidence for a Characteristic Stellar Mass Scale at  $M^* \sim 109.5 M_\odot$ ?. **2023**, 944, 75 ○
- 255 The TESS Grand Unified Hot Jupiter Survey. II. Twenty New Giant Planets\*. **2023**, 265, 1 ○
- 254 A Lack of Variability between Repeated Spitzer Phase Curves of WASP-43b. **2023**, 165, 107 ○
- 253 Discovery of Dust Emission Activity Emanating from Main-belt Asteroid 2015 FW412. **2023**, 7, 22 ○
- 252 On the Spatial Distribution of  $^{13}\text{CO}$  Structures within  $^{12}\text{CO}$  Molecular Clouds. **2023**, 944, 91 ○

251	Comparing the Locations of Supernovae to CO (2 $\Sigma$ ) Emission in Their Host Galaxies. <b>2023</b> , 944, 110	o
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248	Serendipitous Nebular-phase JWST Imaging of SN Ia SN 2021aefx: Testing the Confinement of <sup>56</sup> Co Decay Energy. <b>2023</b> , 944, L28	o
247	A New Study on a Type Iax Stellar Remnant and its Probable Association with SN 1181. <b>2023</b> , 944, 120	o
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244	PHANGS-JWST First Results: Multiwavelength View of Feedback-driven Bubbles (the Phantom Voids) across NGC 628. <b>2023</b> , 944, L22	o
243	PHANGS-JWST First Results: Mid-infrared Emission Traces Both Gas Column Density and Heating at 100 pc Scales. <b>2023</b> , 944, L9	o
242	PHANGS-JWST First Results: A Statistical View on Bubble Evolution in NGC 628. <b>2023</b> , 944, L24	o
241	PHANGS-JWST First Results: Duration of the Early Phase of Massive Star Formation in NGC 628. <b>2023</b> , 944, L20	o
240	Revising the properties of low mass eclipsing binary stars using TESS light curves. <b>2023</b> , 521, 3405-3420	o
239	PHANGS-JWST First Results: A Combined HST and JWST Analysis of the Nuclear Star Cluster in NGC 628. <b>2023</b> , 944, L25	o
238	PHANGS-JWST First Results: Dust-embedded Star Clusters in NGC 7496 Selected via 3.3 $\mu$ m PAH Emission. <b>2023</b> , 944, L26	o
237	The Bimodal Absorption System Imaging Campaign (BASIC). I. A Dual Population of Low-metallicity Absorbers at $z < 1$ . <b>2023</b> , 944, 101	1
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235	PHANGS-JWST First Results: Stellar-feedback-driven Excitation and Dissociation of Molecular Gas in the Starburst Ring of NGC 1365?. <b>2023</b> , 944, L19	o
234	RC100: Rotation Curves of 100 Massive Star-forming Galaxies at $z = 0.6-1.5$ Reveal Little Dark Matter on Galactic Scales. <b>2023</b> , 944, 78	o

- 233 PHANGS JWST First Results: Rapid Evolution of Star Formation in the Central Molecular Gas Ring of NGC 1365. **2023**, 944, L15 ○
- 232 A Census of the Low Accretors. II. Accretion Properties. **2023**, 944, 90 ○
- 231 PHANGS JWST First Results: The Dust Filament Network of NGC 628 and Its Relation to Star Formation Activity. **2023**, 944, L13 ○
- 230 TDCOSMO. **2023**, 672, A20 ○
- 229 PHANGS JWST First Results: Destruction of the PAH Molecules in H II Regions Probed by JWST and MUSE. **2023**, 944, L16 ○
- 228 PHANGS JWST First Results: Tracing the Diffuse Interstellar Medium with JWST Imaging of Polycyclic Aromatic Hydrocarbon Emission in Nearby Galaxies. **2023**, 944, L8 ○
- 227 Singular spectrum analysis of time series data from low-frequency radiometers, with an application to SITARA data. **2023**, 520, 6040-6052 ○
- 226 New Active Asteroid 2015 VA108: A Citizen Science Discovery. **2023**, 7, 27 ○
- 225 INSPIRE: INvestigating Stellar Population In RELics IV. The initial mass function slope in relics. **2023**, 521, 1408-1414 ○
- 224 A Disk Wind Driving the Rotating Molecular Outflow in CB 26. **2023**, 944, 63 ○
- 223 Detecting Exomoons from Radial Velocity Measurements of Self-luminous Planets: Application to Observations of HR 7672 B and Future Prospects. **2023**, 165, 113 ○
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- 220 Millisecond structures of variable-peaked spectrum sources. **2023**, 40, ○
- 219 TOI-5205b: A Short-period Jovian Planet Transiting a Mid-M Dwarf. **2023**, 165, 120 ○
- 218 WIYN Open Cluster Study. LXXXVII. Hubble Space Telescope Ultraviolet Detection of Hot White Dwarf Companions to Blue Lurkers in M67. **2023**, 944, 145 ○
- 217 NEID Reveals That the Young Warm Neptune TOI-2076 b Has a Low Obliquity. **2023**, 944, L41 ○
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- 215 Precise Empirical Determination of Metallicity Dependence of Near-infrared Period-Luminosity Relations for RR Lyrae Variables. **2023**, 944, L51 ○
- 214 JCMT BISTRO Observations: Magnetic Field Morphology of Bubbles Associated with NGC 6334. **2023**, 944, 139 ○
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- 208 Interactions between the Jet and Disk Wind in Nearby Radio-intermediate Quasar III Zw 2. **2023**, 944, 187 ○
- 207 A nearly constant CN/HCN line ratio in nearby galaxies: CN as a new tracer of dense gas. **2023**, 521, 717-736 ○
- 206 The Similar Seven: A Set of Very Alike Exoplanets to Test Correlations between System Parameters and Atmospheric Properties. **2023**, 944, L56 ○
- 205 Ly $\alpha$  Scattering Models Trace Accretion and Outflow Kinematics in T Tauri Systems\*. **2023**, 944, 185 ○
- 204 Tidal Disruption Events from Eccentric Orbits and Lessons Learned from the Noteworthy ASASSN-14ko. **2023**, 944, 184 ○
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- 200 ALMA confirmation of an obscured hyperluminous radio-loud AGN at  $z=6.853$  associated with a dusty starburst in the 1.5' deg<sup>2</sup> COSMOS field. **2023**, 520, 4609-4620 ○
- 199 Kpc-scale properties of dust temperature in terms of dust mass and star formation activity. **2023**, 520, 5506-5520 ○
- 198 SN 2020uem: a Possible Thermonuclear Explosion within a Dense Circumstellar Medium (II). The Properties of the CSM from Polarimetry and Light-curve Modeling. **2023**, 944, 204 1

- 197 Cyanopolyne Chemistry in the L1544 Prestellar Core: New Insights from GBT Observations. **2023**, 944, 208 ○
- 196 SN 2020uem: a Possible Thermonuclear Explosion within a Dense Circumstellar Medium. I. The Nature of Type II<sub>n</sub>/Ia-CSM SNe from Photometry and Spectroscopy. **2023**, 944, 203 ○
- 195 Multiple Shock Fronts in RBS 797: The Chandra Window on Shock Heating in Galaxy Clusters. **2023**, 944, 216 ○
- 194 Long-term Quasiperiodicity in LMXB 4U 1636B36. **2023**, 944, 214 ○
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- 190 UOCS-IX. AstroSat/UVIT Study of the Open Cluster NGC 2818: Blue Stragglers, Yellow Stragglers, Planetary Nebula, and their Membership. **2023**, 945, 11 ○
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- 188 CO Excitation in High-z Main-sequence Analogues: Resolved CO(4B)/CO(3B) Line Ratios in DYNAMO Galaxies. **2023**, 945, 9 ○
- 187 Detecting Long-period Variability in the SDSS Stripe 82 Standards Catalog. **2023**, 165, 138 ○
- 186 A kinematic calibration of the O-rich Mira variable period-age relation from Gaia. **2023**, 521, 1462-1478 ○
- 185 WALLABY Pilot Survey: hydra cluster galaxies UV and H I morphometrics. **2023**, 521, 1502-1517 ○
- 184 COSMOS2020: Discovery of a Protocluster of Massive Quiescent Galaxies at  $z = 2.77$ . **2023**, 945, L9 ○
- 183 A Distance Measurement to M33 Using Optical Photometry of Mira Variables. **2023**, 165, 137 ○
- 182 CLASS Survey Description: Coronal-line Needles in the SDSS Haystack. **2023**, 265, 21 ○
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- 180 Localizing Sources of Variability in Crowded TESS Photometry. **2023**, 165, 141 ○

- 179 Near-infrared and Optical Nebular-phase Spectra of Type Ia Supernovae SN 2013aa and SN 2017cbv in NGC 5643. **2023**, 945, 27 ○
- 178 The Local Cluster Survey II: disc-dominated cluster galaxies with suppressed star formation. **2023**, 521, 4614-4629 ○
- 177 A Study of the Pulsation Properties of 57 Non-Blazhko Ab-type RR Lyrae Stars with Homogeneous Metallicities from the LAMOST/Kepler/K2 Survey. **2023**, 945, 18 ○
- 176 The Mid-infrared Molecular Inventory toward Orion IRC2. **2023**, 945, 26 ○
- 175 Hunting for C-rich long-period variable stars in the Milky Way bar-bulge using unsupervised classification of Gaia BP/RP spectra. **2023**, 521, 2745-2764 ○
- 174 LOTUS: A (Non-) LTE Optimization Tool for Uniform Derivation of Stellar Atmospheric Parameters. **2023**, 165, 145 ○
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- 166 Examining the decline in the C iv content of the Universe over  $4.3 < z < 6.3$  using the E-XQR-30 sample. **2023**, 521, 314-331 1
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- 164 The Pan-STARRS1  $z > 5.6$  Quasar Survey. II. Discovery of 55 Quasars at  $5.6 < z < 6.5$ . **2023**, 265, 29 ○
- 163 Beyond the bulge halo conspiracy? Density profiles of early-type galaxies from extended-source strong lensing. **2023**, 521, 6005-6018 ○
- 162 An APEX Study of Molecular Outflows in FUor-type Stars. **2023**, 945, 80 ○

- 161 BICEP/Keck. XVI. Characterizing Dust Polarization through Correlations with Neutral Hydrogen. **2023**, 945, 72 ○
- 160 Simulations for Planning Next-generation Exoplanet Radial Velocity Surveys. **2023**, 165, 151 1
- 159 New insights into the rotational evolution of near-solar age stars from the open cluster M 67. **2023**, 672, A159 ○
- 158 X-ray Time Lag Evaluation of MAXI J1820+070 with a Differential Cross-correlation Analysis. **2023**, 945, 92 ○
- 157 A candidate magnetic helium-core white dwarf in the globular cluster NGC 6397. **2023**, 521, 5026-5032 ○
- 156 Sidestepping the inversion of the weak-lensing covariance matrix with Approximate Bayesian Computation. **2023**, 43, 100705 ○
- 155 HectoMAP: The Complete Redshift Survey (Data Release 2). **2023**, 945, 94 ○
- 154 A Measurement of Circumgalactic Gas around Nearby Galaxies Using Fast Radio Bursts. **2023**, 945, 87 ○
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- 152 The Differential Assembly History of the Centers and Outskirts of Main-sequence Galaxies at  $z \sim 2.3$ . **2023**, 945, 97 ○
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- 150 Detecting and characterizing pulsar haloes with the Cherenkov telescope array. **2023**, 521, 3793-3809 ○
- 149 Extending the extinction law in 30 Doradus to the infrared with JWST. **2023**, 671, L14 ○
- 148 NGTS clusters survey IV. Search for Dipper stars in the Orion Nebular Cluster. **2023**, 521, 1700-1726 ○
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- 143 JWST Low-resolution MIRI Spectral Observations of SN 2021aefx: High-density Burning in a Type Ia Supernova. **2023**, 945, L2 2
- 142 Planet engulfment detections are rare according to observations and stellar modelling. **2023**, 521, 2969-2987 o
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- 131 Why weak lensing cluster shapes are insensitive to self-interacting dark matter. **2023**, 521, 3172-3185 o
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- 126 Direct Imaging Explorations for Companions around Mid-Late M Stars from the Subaru/IRD Strategic Program. **2023**, 165, 162 o

- 125 Neutrino follow-up with the Zwicky transient facility: results from the first 24 campaigns. **2023**, 521, 5046-5063 ○
- 124 GPU-based framework for detecting small Solar system bodies in targeted exoplanet surveys. **2023**, 521, 4568-4578 ○
- 123 Fast transitions of X-ray variability in the black hole transient GX 339B: comparison with MAXI J1820+070 and MAXI J1348-30. **2023**, 521, 3570-3584 ○
- 122 TOI-1695 b: A Water World Orbiting an Early-M Dwarf in the Planet Radius Valley. **2023**, 165, 167 ○
- 121 Data Combination: Interferometry and Single-dish Imaging in Radio Astronomy. **2023**, 135, 034501 ○
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- 117 High-resolution Transmission Spectroscopy of the Terrestrial Exoplanet GJ 486b. **2023**, 165, 170 ○
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- 115 A Candidate Relativistic Tidal Disruption Event at 340 Mpc. **2023**, 945, 142 ○
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- 107 Towards the systematic detection of active asteroid candidates: A photometric method. **2023**, 521, 6075-6088 ○
- 106 On the impact of spectral template uncertainties in synthetic stellar populations. **2023**, 521, 4995-5012 ○
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- 104 IC 5146 Dark Streamer: The First Reliable Candidate of Edge Collapse, Hub-filament Systems, and Intertwined Sub-filaments. **2023**, 946, 22 ○
- 103 Measuring Galactic dark matter through unsupervised machine learning. **2023**, 521, 5100-5119 ○
- 102 The multiwavelength view of shocks in the fastest nova V1674 Her. **2023**, 521, 5453-5472 ○
- 101 Searching for Supernovae in HETDEX Data Release 3\*. **2023**, 946, 31 ○
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- 98 3D radiative transfer modelling and virial analysis of starless cores in the B10 region of the Taurus molecular cloud. **2023**, 521, 4579-4597 ○
- 97 Stirred but not shaken: a multiwavelength view of HD 167438 debris disc. **2023**, 521, 5940-5951 ○
- 96 Photometric Catalogue for Space and Ground Night-Time Remote-Sensing Calibration: RGB Synthetic Photometry from Gaia DR3 Spectrophotometry. **2023**, 15, 1767 ○
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- 92 Outlook for detecting the gravitational-wave displacement and spin memory effects with current and future gravitational-wave detectors. **2023**, 107, ○
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- 90 CEERS Key Paper. III. The Diversity of Galaxy Structure and Morphology at  $z = 3$  with JWST. **2023**, 946, L15 ○

- 89 The Optical Light Curve of GRB 221009A: The Afterglow and the Emerging Supernova. **2023**, 946, L22 ○
- 88 Limit on Supernova Emission in the Brightest Gamma-Ray Burst, GRB 221009A. **2023**, 946, L25 ○
- 87 Crowdsourced Doppler measurements of time standard stations demonstrating ionospheric variability. **2023**, 15, 1403-1418 ○
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- 82 GRB 221009A: Discovery of an Exceptionally Rare Nearby and Energetic Gamma-Ray Burst. **2023**, 946, L24 ○
- 81 The First JWST Spectrum of a GRB Afterglow: No Bright Supernova in Observations of the Brightest GRB of all Time, GRB 221009A. **2023**, 946, L28 ○
- 80 Abell 1201: detection of an ultramassive black hole in a strong gravitational lens. **2023**, 521, 3298-3322 ○
- 79 Forming intracluster gas in a galaxy protocluster at a redshift of 2.16. **2023**, 615, 809-812 ○
- 78 StarHorse results for spectroscopic surveys and Gaia DR3: Chrono-chemical populations in the solar vicinity, the genuine thick disk, and young alpha-rich stars. ○
- 77 UVIT Observations of the Small Magellanic Cloud: Point-source Catalog. **2023**, 946, 65 ○
- 76 COOLAMPS. III. Discovery of a 25.79 Separation Quasar Lensed by a Merging Galaxy Cluster\* †. **2023**, 946, 63 ○
- 75 First BISTRO Observations of the Dark Cloud Taurus L1495A-B10: The Role of the Magnetic Field in the Earliest Stages of Low-mass Star Formation. **2023**, 946, 62 ○
- 74 Time-resolved Optical Polarization Monitoring of the Most Variable Brown Dwarf. **2023**, 165, 181 ○
- 73 The SAMI Horns Dwarfs Survey III. Evolution of [Fe] in dwarfs, from Galaxy Clusters to the Local Group. **2023**, 522, 130-150 ○
- 72 L-dwarf Detection from SDSS Images using Improved Faster R-CNN. **2023**, 165, 184 ○



- 71 Implications for the Formation of (155140) 2005 UD from a New Convex Shape Model. **2023**, 4, 56 ○
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- 69 Multiclass classification of Fermi-LAT sources with hierarchical class definition. **2023**, 521, 6195-6209 ○
- 68 A cosmic stream of atomic carbon gas connected to a massive radio galaxy at redshift 3.8. **2023**, 379, 1323-1326 1
- 67 The most luminous, merger-free AGNs show only marginal correlation with bar presence. **2023**, 522, 211-225 ○
- 66 The clumpy structure of  $\rho$  Eridani's debris disc revisited by ALMA. **2023**, 521, 6180-6194 ○
- 65 HST viewing of spectacular star-forming trails behind ESO 137-001. **2023**, 522, 173-194 ○
- 64 TESS Observations of the Pleiades Cluster: A Nursery for  $\beta$  Scuti Stars. **2023**, 946, L10 ○
- 63 SN 2020jgb: A Peculiar Type Ia Supernova Triggered by a Helium-shell Detonation in a Star-forming Galaxy. **2023**, 946, 83 ○
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- 61 Search for a Black Hole Binary in Gaia DR3 Astrometric Binary Stars with Spectroscopic Data. **2023**, 946, 79 ○
- 60 Abundance Ratios of OH/CO and HCO<sup>+</sup>/CO as Probes of the Cosmic-Ray Ionization Rate in Diffuse Clouds. **2023**, 946, 91 ○
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- 58 A declining major merger fraction with redshift in the local Universe from the largest-yet catalogue of major and minor mergers in SDSS. **2023**, 522, 1-28 ○
- 57 Spectral performance of the Microchannel X-ray Telescope on board the SVOM mission. ○
- 56 Dark Energy Survey Year 3 results: Constraints on extensions to  $\Lambda$ CDM with weak lensing and galaxy clustering. **2023**, 107, ○
- 55 Contemporaneous Observations of H $\alpha$  Luminosities and Photometric Amplitudes for M Dwarfs. **2023**, 165, 192 ○
- 54 A Survey for High-redshift Gravitationally Lensed Quasars and Close Quasar Pairs. I. The Discoveries of an Intermediately Lensed Quasar and a Kiloparsec-scale Quasar Pair at  $z \sim 5$ . **2023**, 165, 191 ○

- 53 A hard look at the X-ray spectral variability of NGC 7582. **2023**, 522, 1169-1182 ○
- 52 Metal line emission from galaxy haloes at  $z \approx 1$ . **2023**, 522, 535-558 ○
- 51 pyTANSPEC: A data reduction package for TANSPEC. **2023**, 44, ○
- 50 Constraining  $\Lambda$ CDM with density-split clustering. **2023**, 522, 606-625 ○
- 49 Local stellar formation history from the 40 pc white dwarf sample. **2023**, 522, 1643-1661 ○
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- 47 Cosmological constraints from galaxy clusters and groups in the eROSITA final equatorial depth survey. **2023**, 522, 1601-1642 ○
- 46 Galaxy and Mass Assembly (GAMA): Low-redshift Quasars and Inactive Galaxies Have Similar Neighbors'. **2023**, 946, 116 ○
- 45 UVIT view of NGC 5291: Ongoing star formation in tidal dwarf galaxies at  $\sim 0.35$  kpc resolution. **2023**, 522, 1196-1207 ○
- 44 AGN STORM 2. III. A NICER View of the Variable X-Ray Obscurer in Mrk 817. **2023**, 947, 2 ○
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- 37 TIC 219006972: a compact, coplanar quadruple star system consisting of two eclipsing binaries with an outer period of 168 d. **2023**, 522, 90-101 ○
- 36 Evolutionary and Observational Properties of Red Giant Acoustic Glitch Signatures. **2023**, 947, 22 ○

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- 32 Saying Hallo to M94's Stellar Halo: Investigating the Accretion History of the Largest Pseudobulge Host in the Local Universe. **2023**, 947, 21 ○
- 31 Unveiling the nature of infrared bright, optically dark galaxies with early JWST data. **2023**, 522, 449-456 ○
- 30 Spatially-resolved chemodynamics of the starburst dwarf galaxy CGCG 007-025: Evidence for recent accretion of metal-poor gas. ○
- 29 Search for X-Ray Quasiperiodicity of Six AGNs Using the Gaussian Process Method. **2023**, 946, 52 ○
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- 19 The Possibility of Modeling the Very High Energy Afterglow of GRB 221009A in a Wind Environment. **2023**, 947, 53 ○
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- 10 Detections of [C ii] 158  $\mu\text{m}$  and [O iii] 88  $\mu\text{m}$  in a Local Lyman Continuum Emitter, Mrk 54, and Its Implications to High-redshift ALMA Studies\*. **2023**, 948, 3 ○
- 9 CO or no CO? Narrowing the CO abundance constraint and recovering the H<sub>2</sub>O detection in the atmosphere of WASP-127 b using SPIRou. **2023**, 522, 5062-5083 ○
- 8 Alignment and rotational disruption of dust grains in the Galactic Centre revealed by polarized dust emission. **2023**, 522, 4196-4214 ○
- 7 A search for transients in the Reionization Lensing Cluster Survey (RELICS): three new supernovae. **2023**, 522, 4718-4727 ○
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- 3 The Ly $\alpha$  Reference Sample. XIV. Ly $\alpha$  imaging of 45 Low-redshift Star-forming Galaxies and Inferences on Global Emission. **2023**, 266, 15 ○
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