Julia J Bryant

List of Publications by Year
in descending order

78 papers	2,358 citations	236925 25 h-index	214800 47 g-index
79 all docs	79 docs citations	79 times ranked	2224 citing authors

#	Article	IF	Citations
1	The SAMI Galaxy Survey: the difference between ionized gas and stellar velocity dispersions. Monthly Notices of the Royal Astronomical Society, 2022, 512, 1765-1780.	4.4	7
2	Uncovering the secrets of galaxy evolution. Nature Astronomy, 2022, 6, 402-402.	10.1	0
3	The LEGA-C and SAMI galaxy surveys: quiescent stellar populations and the massâ€“size plane across 6â€‰Gyr. Monthly Notices of the Royal Astronomical Society, 2022, 512, 3828-3845.	4.4	15
4	The SAMI Galaxy Survey: The Internal Orbital Structure and Mass Distribution of Passive Galaxies from Triaxial Orbit-superposition Schwarzschild Models. Astrophysical Journal, 2022, 930, 153.	4.5	18
5	The SAMI Galaxy Survey: the relationship between galaxy rotation and the motion of neighbours. Monthly Notices of the Royal Astronomical Society, 2022, 515, 984-997.	4.4	3
6	Measuring cosmic density of neutral hydrogen via stacking the DINGO-VLA data. Monthly Notices of the Royal Astronomical Society, 2021, 508, 2758-2770.	4.4	8
7	The SAMI Galaxy Survey: Stellar Populations of Passive Spiral Galaxies in Different Environments. Astrophysical Journal, 2021, 906, 43.	4.5	4
8	The SAMI Galaxy Survey: Bulge and Disk Stellar Population Properties in Cluster Galaxies. Astrophysical Journal, 2021, 906, 100.	4.5	17
9	The SAMI Galaxy Survey: the third and final data release. Monthly Notices of the Royal Astronomical Society, 2021, 505, 991-1016.	4.4	70
10	The SAMI Galaxy Survey: Kinematics of Stars and Gas in Brightest Group Galaxiesâ€”The Role of Group Dynamics. Astrophysical Journal, 2021, 908, 123.	4.5	8
11	The Colors of Bulges and Disks in the Core and Outskirts of Galaxy Clusters. Astrophysical Journal, 2021, 911, 21.	4.5	9
12	The SAMI Galaxy Survey: stellar population and structural trends across the Fundamental Plane. Monthly Notices of the Royal Astronomical Society, 2021, 504, 5098-5130.	4.4	30
13	The SAMI Galaxy Survey: a statistical approach to an optimal classification of stellar kinematics in galaxy surveys. Monthly Notices of the Royal Astronomical Society, 2021, 505, 3078-3106.	4.4	22
14	Starâ€“Gas Misalignment in Galaxies. II. Origins Found from the Horizon-AGN Simulation. Astrophysical Journal, Supplement Series, 2021, 254, 27.	7.7	13
15	The SAMI Galaxy Survey: Detection of Environmental Dependence of Galaxy Spin in Observations and Simulations Using Marked Correlation Functions. Astrophysical Journal, 2021, 918, 84.	4.5	4
16	The SAMI galaxy survey: Mass and environment as independent drivers of galaxy dynamics. Monthly Notices of the Royal Astronomical Society, 2021, 508, 2307-2328.	4.4	18
17	The SAMI Galaxy Survey: reconciling strong emission line metallicity diagnostics using metallicity gradients. Monthly Notices of the Royal Astronomical Society, 2021, 502, 3357-3373.	4.4	15
18	The SAMI Galaxy Survey: rules of behaviour for spin-ellipticity radial tracks in galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 491, 324-343.	4.4	4

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19	The SAMI galaxy survey: a range in S0 properties indicating multiple formation pathways. Monthly Notices of the Royal Astronomical Society, 2020, 498, 2372-2383.	4.4	26
20	The SAMIâ€“Fornax Dwarfs Survey I: sample, observations, and the specific stellar angular momentum of dwarf elliptical galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 497, 1571-1582.	4.4	19
21	The SAMI Galaxy Survey: decomposed stellar kinematics of galaxy bulges and disks. Monthly Notices of the Royal Astronomical Society, 2020, 495, 4638-4658.	4.4	32
22	The SAMI galaxy survey: gas velocity dispersions in low-z star-forming galaxies and the drivers of turbulence. Monthly Notices of the Royal Astronomical Society, 2020, 495, 2265-2284.	4.4	24
23	Hector: a new multi-object integral field spectrograph instrument for the Anglo-Australian Telescope. , 2020, , .		12
24	Starâ€“Gas Misalignment in Galaxies. I. The Properties of Galaxies from the Horizon-AGN Simulation and Comparisons to SAMI. Astrophysical Journal, 2020, 894, 106.	4.5	16
25	The SAMI Galaxy Survey: Stellar Population Gradients of Central Galaxies. Astrophysical Journal, 2020, 896, 75.	4.5	29
26	The Hector Instrument: optical design of the new higher-resolution spectrograph. , 2020, , .		1
27	The Hector Instrument: performance of the Hector fibre integral field units. , 2020, , .		1
28	Hexabundle optical fibre imaging devices for the Hector instrument. , 2020, , .		0
29	Star-forming, rotating spheroidal galaxies in the GAMA and SAMI surveys. Monthly Notices of the Royal Astronomical Society, 2019, 489, 2830-2843.	4.4	9
30	The SAMI Galaxy Survey: massâ€“kinematics scaling relations. Monthly Notices of the Royal Astronomical Society, 2019, 487, 2924-2936.	4.4	23
31	The SAMI galaxy survey: stellar population radial gradients in early-type galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 489, 608-622.	4.4	34
32	The SAMI Galaxy Survey: Quenching of Star Formation in Clusters I. Transition Galaxies. Astrophysical Journal, 2019, 873, 52.	4.5	63
33	The SAMI Galaxy Survey: Kinematic Alignments of Early-type Galaxies in A119 and A168. Astrophysical Journal, 2019, 875, 60.	4.5	3
34	The SAMI Galaxy Survey: Bayesian inference for gas disc kinematics using a hierarchical Gaussian mixture model. Monthly Notices of the Royal Astronomical Society, 2019, 485, 4024-4044.	4.4	10
35	The SAMI Galaxy Survey: comparing 3D spectroscopic observations with galaxies from cosmological hydrodynamical simulations. Monthly Notices of the Royal Astronomical Society, 2019, 484, 869-891.	4.4	67
36	Key dynamical results from the SAMI Galaxy Survey. Proceedings of the International Astronomical Union, 2019, 14, 213-221.	0.0	0

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37	Development and focal ratio degradation optimisation of integral field units on Hector. , 2019, , .		0
38	A relation between the characteristic stellar ages of galaxies and their intrinsic shapes. Nature Astronomy, 2018, 2, 483-488.	10.1	49
39	The SAMI Galaxy Survey: Data Release Two with absorption-line physics value-added products. Monthly Notices of the Royal Astronomical Society, 2018, 481, 2299-2319.	4.4	73
40	The SAMI Galaxy Survey: Spatially resolved metallicity and ionization mapping. Monthly Notices of the Royal Astronomical Society, 2018, 479, 5235-5265.	4.4	64
41	The SAMI Galaxy Survey: Data Release One with emission-line physics value-added products. Monthly Notices of the Royal Astronomical Society, 2018, 475, 716-734.	4.4	65
42	The SAMI Galaxy Survey: spatially resolving the main sequence of star formation. Monthly Notices of the Royal Astronomical Society, 2018, 475, 5194-5214.	4.4	89
43	The SAMI Galaxy Survey: Gravitational Potential and Surface Density Drive Stellar Populations. I. Early-type Galaxies. Astrophysical Journal, 2018, 856, 64.	4.5	37
44	PRAXIS: an OH suppression optimised near infrared spectrograph. , 2018, , .		5
45	New-generation hexabundles: development and initial results. , 2018, , .		0
46	Hector: a modular integral field spectrograph instrument for the Anglo-Australian Telescope. , 2018, , .		1
47	Optical design of the highly cost optimized new Hector Spectrograph. , 2018, , .		0
48	THE SAMI GALAXY SURVEY: REVISITING GALAXY CLASSIFICATION THROUGH HIGH-ORDER STELLAR KINEMATICS. Astrophysical Journal, 2017, 835, 104.	4.5	115
49	The Taipan Galaxy Survey: Scientific Goals and Observing Strategy. Publications of the Astronomical Society of Australia, 2017, 34, .	3.4	73
50	The SAMI Galaxy Survey: Mass as the Driver of the Kinematic Morphologyâ€“Density Relation in Clusters. Astrophysical Journal, 2017, 844, 59.	4.5	65
51	The SAMI Galaxy Survey: a new method to estimate molecular gas surface densities from star formation rates. Monthly Notices of the Royal Astronomical Society, 2017, 468, 3965-3978.	4.4	26
52	The SAMI Galaxy Survey: energy sources of the turbulent velocity dispersion in spatially resolved local star-forming galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 470, 4573-4582.	4.4	37
53	The SAMI Galaxy Survey: revising the fraction of slow rotators in IFS galaxy surveys. Monthly Notices of the Royal Astronomical Society, 2017, 472, 1272-1285.	4.4	57
54	The SAMI Galaxy Survey: global stellar populations on the sizeâ€“mass plane. Monthly Notices of the Royal Astronomical Society, 2017, 472, 2833-2855.	4.4	72

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55	THE SAMI GALAXY SURVEY: GALAXY INTERACTIONS AND KINEMATIC ANOMALIES IN ABELL 119. Astrophysical Journal, 2016, 832, 69.	4.5	16
56	ULTIMATE: a deployable multiple integral field unit for Subaru. Proceedings of SPIE, 2016, , .	0.8	2
57	The SAMI Galaxy Survey: extraplanar gas, galactic winds and their association with star formation history. Monthly Notices of the Royal Astronomical Society, 2016, 457, 1257-1278.	4.4	70
58	Hector: a new massively multiplexed IFU instrument for the Anglo-Australian Telescope. Proceedings of SPIE, 2016, , .	0.8	14
59	The SAMI Pilot Survey: the fundamental and mass planes in three low-redshift clusters. Monthly Notices of the Royal Astronomical Society, 2015, 451, 2723-2734.	4.4	20
60	The SAMI Pilot Survey: the kinematic morphologyâ€“density relation in Abell 85, Abell 168 and Abell 2399. Monthly Notices of the Royal Astronomical Society, 2014, 443, 485-503.	4.4	64
61	The SAMI Galaxy Survey: shocks and outflows in a normal star-forming galaxy. Monthly Notices of the Royal Astronomical Society, 2014, 444, 3894-3910.	4.4	144
62	Towards a spectroscopic survey of one hundred thousand spatially resolved galaxies with Hector. , 2014, , .		1
63	A Radio-Optical Study of Resolved Star Formation in SAMI Galaxies. Proceedings of the International Astronomical Union, 2014, 10, 324-324.	0.0	0
64	GNOSIS: THE FIRST INSTRUMENT TO USE FIBER BRAGG GRATINGS FOR OH SUPPRESSION. Astronomical Journal, 2013, 145, 51.	4.7	64
65	FIRST SCIENCE WITH SAMI: A SERENDIPITOUSLY DISCOVERED GALACTIC WIND IN ESO 185-G031. Astrophysical Journal, 2012, 761, 169.	4.5	39
66	SAMI: a new multi-object IFS for the Anglo-Australian Telescope. , 2012, , .		7
67	Square-core bundles for astronomical imaging. , 2012, , .		8
68	BASIS: Bayfordbury single-object integral field spectrograph. , 2012, , .		1
69	Hector: a high-multiplex survey instrument for spatially resolved galaxy spectroscopy. Proceedings of SPIE, 2012, , .	0.8	11
70	The Sydney-AAO Multi-object Integral field spectrograph. Monthly Notices of the Royal Astronomical Society, 2012, , no-no.	4.4	275
71	Hexabundles: imaging fiber arrays for low-light astronomical applications. Optics Express, 2011, 19, 2649.	3.4	129
72	ERASMUS-F: pathfinder for an E-ELT 3D instrumentation. Proceedings of SPIE, 2010, , .	0.8	3

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73	Hexabundles: imaging fibre arrays for low-light astronomical applications. , 2010, , .		3
74	The Environments of Distant Radio Galaxies. , 2010, , .		0
75	Hexabundles: first results. Proceedings of SPIE, 2010, , .	0.8	2
76	Optical/Infrared Observations of the Anomalous Xâ€Ray Pulsar 1E 1048.1âˆ’5937 during Its 2007 Xâ€Ray Flare. Astrophysical Journal, 2008, 679, 1443-1446.	4.5	17
77	The SAMI Galaxy Survey: The contribution of different kinematic classes to the stellar mass function of nearby galaxies. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	4
78	The SAMI galaxy survey: The link between [Î± /Fe] and kinematic morphology. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0