

# Julia J Bryant

## List of Publications by Year in descending order

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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 Sydney-AAO Multi-object Integral field spectrograph. Monthly Notices of the Royal Astronomical Society, 2012, , no-no.	4.4	275
2	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
3	Hexabundles: imaging fiber arrays for low-light astronomical applications. Optics Express, 2011, 19, 2649.	3.4	129
4	THE SAMI GALAXY SURVEY: REVISITING GALAXY CLASSIFICATION THROUGH HIGH-ORDER STELLAR KINEMATICS. Astrophysical Journal, 2017, 835, 104.	4.5	115
5	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
6	The Taipan Galaxy Survey: Scientific Goals and Observing Strategy. Publications of the Astronomical Society of Australia, 2017, 34, .	3.4	73
7	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
8	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
9	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
10	The SAMI Galaxy Survey: the third and final data release. Monthly Notices of the Royal Astronomical Society, 2021, 505, 991-1016.	4.4	70
11	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
12	The SAMI Galaxy Survey: Mass as the Driver of the Kinematic Morphologyâ€‘Density Relation in Clusters. Astrophysical Journal, 2017, 844, 59.	4.5	65
13	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
14	GNOSIS: THE FIRST INSTRUMENT TO USE FIBER BRAGG GRATINGS FOR OH SUPPRESSION. Astronomical Journal, 2013, 145, 51.	4.7	64
15	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
16	The SAMI Galaxy Survey: Spatially resolved metallicity and ionization mapping. Monthly Notices of the Royal Astronomical Society, 2018, 479, 5235-5265.	4.4	64
17	The SAMI Galaxy Survey: Quenching of Star Formation in Clusters I. Transition Galaxies. Astrophysical Journal, 2019, 873, 52.	4.5	63
18	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

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19	A relation between the characteristic stellar ages of galaxies and their intrinsic shapes. <i>Nature Astronomy</i> , 2018, 2, 483-488.	10.1	49
20	FIRST SCIENCE WITH SAMI: A SERENDIPITOUSLY DISCOVERED GALACTIC WIND IN ESO 185-G031. <i>Astrophysical Journal</i> , 2012, 761, 169.	4.5	39
21	The SAMI Galaxy Survey: energy sources of the turbulent velocity dispersion in spatially resolved local star-forming galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 4573-4582.	4.4	37
22	The SAMI Galaxy Survey: Gravitational Potential and Surface Density Drive Stellar Populations. I. Early-type Galaxies. <i>Astrophysical Journal</i> , 2018, 856, 64.	4.5	37
23	The SAMI galaxy survey: stellar population radial gradients in early-type galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 608-622.	4.4	34
24	The SAMI Galaxy Survey: decomposed stellar kinematics of galaxy bulges and disks. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 4638-4658.	4.4	32
25	The SAMI Galaxy Survey: stellar population and structural trends across the Fundamental Plane. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 5098-5130.	4.4	30
26	The SAMI Galaxy Survey: Stellar Population Gradients of Central Galaxies. <i>Astrophysical Journal</i> , 2020, 896, 75.	4.5	29
27	The SAMI Galaxy Survey: a new method to estimate molecular gas surface densities from star formation rates. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 3965-3978.	4.4	26
28	The SAMI galaxy survey: a range in S0 properties indicating multiple formation pathways. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 2372-2383.	4.4	26
29	The SAMI galaxy survey: gas velocity dispersions in low-z star-forming galaxies and the drivers of turbulence. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 2265-2284.	4.4	24
30	The SAMI Galaxy Survey: mass <sup>α</sup> kinematics scaling relations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 2924-2936.	4.4	23
31	The SAMI Galaxy Survey: a statistical approach to an optimal classification of stellar kinematics in galaxy surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 3078-3106.	4.4	22
32	The SAMI Pilot Survey: the fundamental and mass planes in three low-redshift clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 2723-2734.	4.4	20
33	The SAMI <sup>α</sup> Fornax Dwarfs Survey I: sample, observations, and the specific stellar angular momentum of dwarf elliptical galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 1571-1582.	4.4	19
34	The SAMI galaxy survey: Mass and environment as independent drivers of galaxy dynamics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 2307-2328.	4.4	18
35	The SAMI Galaxy Survey: The Internal Orbital Structure and Mass Distribution of Passive Galaxies from Triaxial Orbit-superposition Schwarzschild Models. <i>Astrophysical Journal</i> , 2022, 930, 153.	4.5	18
36	The SAMI Galaxy Survey: Bulge and Disk Stellar Population Properties in Cluster Galaxies. <i>Astrophysical Journal</i> , 2021, 906, 100.	4.5	17

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37	Optical/Infrared Observations of the Anomalous X-ray Pulsar 1E 1048.1-5937 during Its 2007 X-ray Flare. <i>Astrophysical Journal</i> , 2008, 679, 1443-1446.	4.5	17
38	THE SAMI GALAXY SURVEY: GALAXY INTERACTIONS AND KINEMATIC ANOMALIES IN ABELL 119. <i>Astrophysical Journal</i> , 2016, 832, 69.	4.5	16
39	Star Gas Misalignment in Galaxies. I. The Properties of Galaxies from the Horizon-AGN Simulation and Comparisons to SAMI. <i>Astrophysical Journal</i> , 2020, 894, 106.	4.5	16
40	The SAMI Galaxy Survey: reconciling strong emission line metallicity diagnostics using metallicity gradients. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 3357-3373.	4.4	15
41	The LEGA-C and SAMI galaxy surveys: quiescent stellar populations and the mass-size plane across 6% Gyr. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 3828-3845.	4.4	15
42	Hector: a new massively multiplexed IFU instrument for the Anglo-Australian Telescope. <i>Proceedings of SPIE</i> , 2016, , .	0.8	14
43	Star Gas Misalignment in Galaxies. II. Origins Found from the Horizon-AGN Simulation. <i>Astrophysical Journal, Supplement Series</i> , 2021, 254, 27.	7.7	13
44	Hector: a new multi-object integral field spectrograph instrument for the Anglo-Australian Telescope. , 2020, , .		12
45	Hector: a high-multiplex survey instrument for spatially resolved galaxy spectroscopy. <i>Proceedings of SPIE</i> , 2012, , .	0.8	11
46	The SAMI Galaxy Survey: Bayesian inference for gas disc kinematics using a hierarchical Gaussian mixture model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 4024-4044.	4.4	10
47	Star-forming, rotating spheroidal galaxies in the GAMA and SAMI surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 2830-2843.	4.4	9
48	The Colors of Bulges and Disks in the Core and Outskirts of Galaxy Clusters. <i>Astrophysical Journal</i> , 2021, 911, 21.	4.5	9
49	Square-core bundles for astronomical imaging. , 2012, , .		8
50	Measuring cosmic density of neutral hydrogen via stacking the DINGO-VLA data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 2758-2770.	4.4	8
51	The SAMI Galaxy Survey: Kinematics of Stars and Gas in Brightest Group Galaxies – The Role of Group Dynamics. <i>Astrophysical Journal</i> , 2021, 908, 123.	4.5	8
52	SAMI: a new multi-object IFS for the Anglo-Australian Telescope. , 2012, , .		7
53	The SAMI Galaxy Survey: the difference between ionized gas and stellar velocity dispersions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 1765-1780.	4.4	7
54	PRAXIS: an OH suppression optimised near infrared spectrograph. , 2018, , .		5

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55	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
56	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
57	The SAMI Galaxy Survey: Stellar Populations of Passive Spiral Galaxies in Different Environments. Astrophysical Journal, 2021, 906, 43.	4.5	4
58	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
59	ERASMUS-F: pathfinder for an E-ELT 3D instrumentation. Proceedings of SPIE, 2010, , .	0.8	3
60	Hexabundles: imaging fibre arrays for low-light astronomical applications. , 2010, , .		3
61	The SAMI Galaxy Survey: Kinematic Alignments of Early-type Galaxies in A119 and A168. Astrophysical Journal, 2019, 875, 60.	4.5	3
62	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
63	Hexabundles: first results. Proceedings of SPIE, 2010, , .	0.8	2
64	ULTIMATE: a deployable multiple integral field unit for Subaru. Proceedings of SPIE, 2016, , .	0.8	2
65	BASIS: Bayfordbury single-object integral field spectrograph. , 2012, , .		1
66	Towards a spectroscopic survey of one hundred thousand spatially resolved galaxies with Hector. , 2014, , .		1
67	Hector: a modular integral field spectrograph instrument for the Anglo-Australian Telescope. , 2018, , .		1
68	The Hector Instrument: optical design of the new higher-resolution spectrograph. , 2020, , .		1
69	The Hector Instrument: performance of the Hector fibre integral field units. , 2020, , .		1
70	The Environments of Distant Radio Galaxies. , 2010, , .		0
71	A Radio-Optical Study of Resolved Star Formation in SAMI Galaxies. Proceedings of the International Astronomical Union, 2014, 10, 324-324.	0.0	0
72	New-generation hexabundles: development and initial results. , 2018, , .		0

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73	Optical design of the highly cost optimized new Hector Spectrograph. , 2018, , .		0
74	Key dynamical results from the SAMI Galaxy Survey. Proceedings of the International Astronomical Union, 2019, 14, 213-221.	0.0	0
75	Development and focal ratio degradation optimisation of integral field units on Hector. , 2019, , .		0
76	Hexabundle optical fibre imaging devices for the Hector instrument. , 2020, , .		0
77	Uncovering the secrets of galaxy evolution. Nature Astronomy, 2022, 6, 402-402.	10.1	0
78	The SAMI galaxy survey: The link between $[\hat{\pm} / \text{Fe}]$ and kinematic morphology. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0