Sugata Kaviraj

List of Publications by Year
in descending order

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130 papers	7,774 citations	47 h-index	84 g-index
		47006	54911
134 all docs	134 docs citations	134 times ranked	4866 citing authors

#	Article	IF	Citations
1	Observational evidence for AGN feedback in early-type galaxies. Monthly Notices of the Royal Astronomical Society, 2007, 382, 1415-1431.	4.4	554
2	The green valley is a red herring: Galaxy Zoo reveals two evolutionary pathways towards quenching of star formation in early- and late-type galaxiesâ˜…. Monthly Notices of the Royal Astronomical Society, 2014, 440, 889-907.	4.4	506
3	Galaxy Zoo 2: detailed morphological classifications for 304Â122 galaxies from the Sloan Digital Sky Survey. Monthly Notices of the Royal Astronomical Society, 2013, 435, 2835-2860.	4.4	439
4	UVâ€Optical Colors as Probes of Earlyâ€Type Galaxy Evolution. Astrophysical Journal, Supplement Series, 2007, 173, 619-642.	7.7	283
5	Galaxy Evolution Explorer Ultraviolet Color-Magnitude Relations and Evidence of Recent Star Formation in Early-Type Galaxies. Astrophysical Journal, 2005, 619, L111-L114.	4.5	277
6	THE HUBBLE SPACE TELESCOPE WIDE FIELD CAMERA 3 EARLY RELEASE SCIENCE DATA: PANCHROMATIC FAINT OBJECT COUNTS FOR 0.2-2 Î¼m WAVELENGTH. Astrophysical Journal, Supplement Series, 2011, 193, 27.	7.7	247
7	The Effect of Environment on the Ultraviolet Colorâ€Magnitude Relation of Earlyâ€Type Galaxies. Astrophysical Journal, Supplement Series, 2007, 173, 512-523.	7.7	187
8	GALAXY ZOO: THE FUNDAMENTALLY DIFFERENT CO-EVOLUTION OF SUPERMASSIVE BLACK HOLES AND THEIR EARLY- AND LATE-TYPE HOST GALAXIES. Astrophysical Journal, 2010, 711, 284-302.	4.5	171
9	HERSCHEL-ATLAS GALAXY COUNTS AND HIGH-REDSHIFT LUMINOSITY FUNCTIONS: THE FORMATION OF MASSIVE EARLY-TYPE GALAXIES. Astrophysical Journal, 2011, 742, 24.	4.5	151
10	Galaxy Zoo: the fraction of merging galaxies in the SDSS and their morphologies. Monthly Notices of the Royal Astronomical Society, 2010, 401, 1043-1056.	4.4	150
11	Galaxy Zoo: the properties of merging galaxies in the nearby Universe - local environments, colours, masses, star formation rates and AGN activity. Monthly Notices of the Royal Astronomical Society, 2010, 401, 1552-1563.	4.4	150
12	DO MODERATE-LUMINOSITY ACTIVE GALACTIC NUCLEI SUPPRESS STAR FORMATION?. Astrophysical Journal, 2009, 692, L19-L23.	4.5	143
13	Galaxy Zoo: a sample of blue early-type galaxies at low redshift. Monthly Notices of the Royal Astronomical Society, 2009, 396, 818-829.	4.4	142
14	The role of minor mergers in the recent star formation history of early-type galaxies. Monthly Notices of the Royal Astronomical Society, 2009, 394, 1713-1720.	4.4	128
15	The importance of minor-merger-driven star formation and black hole growth in disc galaxies. Monthly Notices of the Royal Astronomical Society, 2014, 440, 2944-2952.	4.4	119
16	Suppression of star formation in early-type galaxies by feedback from supermassive black holes. Nature, 2006, 442, 888-891.	27.8	118
17	The Horizon-AGN simulation: evolution of galaxy properties over cosmic time. Monthly Notices of the Royal Astronomical Society, 0, , stx126.	4.4	117
18	Galaxy Zoo: evidence for diverse star formation histories through the green valley. Monthly Notices of the Royal Astronomical Society, 2015, 450, 435-453.	4.4	110

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19	The UV properties of E+A galaxies: constraints on feedback-driven quenching of star formation. Monthly Notices of the Royal Astronomical Society, 0, 382, 960-970.	4.4	107
20	Herschelâ˜…-ATLAS/GAMA: dusty early-type galaxies and passive spirals. Monthly Notices of the Royal Astronomical Society, 2012, 419, 2545-2578.	4.4	104
21	Density profile of dark matter haloes and galaxies in the horizonâ€“agn simulation: the impact of AGN feedback. Monthly Notices of the Royal Astronomical Society, 2017, 472, 2153-2169.	4.4	102
22	Cosmic evolution of stellar quenching by AGN feedback: clues from the Horizon-AGN simulation. Monthly Notices of the Royal Astronomical Society, 2017, 472, 949-965.	4.4	96
23	A coincidence of disturbed morphology and blue UV colour: minor-merger-driven star formation in early-type galaxies at zâ¼ 0.6. Monthly Notices of the Royal Astronomical Society, 2011, 411, 2148-2160.	4.4	95
24	Radio Galaxy Zoo: host galaxies and radio morphologies derived from visual inspection. Monthly Notices of the Royal Astronomical Society, 2015, 453, 2327-2341.	4.4	93
25	Introducing the NEWHORIZON simulation: Galaxy properties with resolved internal dynamics across cosmic time. Astronomy and Astrophysics, 2021, 651, A109.	5.1	88
26	The role of mergers in driving morphological transformation over cosmic time. Monthly Notices of the Royal Astronomical Society, 2018, 480, 2266-2283.	4.4	83
27	The significant contribution of minor mergers to the cosmic star formation budget. Monthly Notices of the Royal Astronomical Society: Letters, 2014, 437, L41-L45.	3.3	81
28	The formation and evolution of low-surface-brightness galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 485, 796-818.	4.4	80
29	The UV colours of high-redshift early-type galaxies: evidence for recent star formation and stellar mass assembly over the last 8 billion years. Monthly Notices of the Royal Astronomical Society, 2008, 388, 67-79.	4.4	76
30	DESTRUCTION OF MOLECULAR GAS RESERVOIRS IN EARLY-TYPE GALAXIES BY ACTIVE GALACTIC NUCLEUS FEEDBACK. Astrophysical Journal, 2009, 690, 1672-1680.	4.5	73
31	Better age estimation using ultravioletâ€“optical colours: breaking the ageâ€“metallicity degeneracy. Monthly Notices of the Royal Astronomical Society: Letters, 2007, 381, L74-L78.	3.3	72
32	Galaxy Zoo: CANDELS barred discs and bar fractionsâ˜…. Monthly Notices of the Royal Astronomical Society, 2014, 445, 3466-3474.	4.4	70
33	Galaxy Zoo: quantitative visual morphological classifications for 48Â000 galaxies from CANDELS. Monthly Notices of the Royal Astronomical Society, 2017, 464, 4420-4447.	4.4	70
34	THE SUDDEN DEATH OF THE NEAREST QUASAR. Astrophysical Journal Letters, 2010, 724, L30-L33.	8.3	66
35	Tidal dwarf galaxies in the nearby Universe. Monthly Notices of the Royal Astronomical Society, 2012, 419, 70-79.	4.4	66
36	Galaxy Zoo: bulgeless galaxies with growing black holes. Monthly Notices of the Royal Astronomical Society, 2013, 429, 2199-2211.	4.4	64

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37	The insignificance of major mergers in driving star formation at z â‰ƒ 2. Monthly Notices of the Royal Astronomical Society: Letters, 2013, 429, L40-L44.	3.3	59
38	Galaxy Zoo: the dependence of the star formationâ€“stellar mass relation on spiral disc morphology. Monthly Notices of the Royal Astronomical Society, 2015, 449, 820-827.	4.4	59
39	Transfer learning for galaxy morphology from one survey to another. Monthly Notices of the Royal Astronomical Society, 2019, 484, 93-100.	4.4	58
40	Peculiar early-type galaxies in the Sloan Digital Sky Survey Stripe82. Monthly Notices of the Royal Astronomical Society, 2010, 406, 382-394.	4.4	57
41	Evidence for recent star formation in BCGs: a correspondence between blue cores and UV excess. Monthly Notices of the Royal Astronomical Society, 2009, 395, 462-471.	4.4	56
42	Galaxy Zoo: building the low-mass end of the red sequence with local post-starburst galaxiesâ˜…. Monthly Notices of the Royal Astronomical Society, 2012, 420, 1684-1692.	4.4	56
43	Molecular and atomic gas in dust lane early-type galaxies â€“ I. Low star formation efficiencies in minor merger remnants. Monthly Notices of the Royal Astronomical Society, 2015, 449, 3503-3516.	4.4	56
44	Triggered star formation in the inner filament of Centaurus A. Monthly Notices of the Royal Astronomical Society, 2012, 421, 1603-1623.	4.4	55
45	Galaxy Zoo: dust and molecular gas in early-type galaxies with prominent dust lanesâ˜…. Monthly Notices of the Royal Astronomical Society, 2012, 423, 49-58.	4.4	52
46	Major mergers are not significant drivers of star formation or morphological transformation around the epoch of peak cosmic star formation. Monthly Notices of the Royal Astronomical Society, 2017, 465, 2895-2900.	4.4	52
47	The elliptical galaxy colour-magnitude relation as a discriminant between the monolithic and merger paradigms. Monthly Notices of the Royal Astronomical Society, 2005, 360, 60-68.	4.4	51
48	Galaxy morphological classification in deep-wide surveys via unsupervised machine learning. Monthly Notices of the Royal Astronomical Society, 2020, 491, 1408-1426.	4.4	49
49	AGN in dwarf galaxies: frequency, triggering processes and the plausibility of AGN feedback. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 489, L12-L16.	3.3	48
50	GALICS. II: the [Î±/Fe] -mass relation in elliptical galaxies. Astronomy and Astrophysics, 2009, 505, 1075-1086.	5.1	47
51	A simple model for AGN feedback in nearby early-type galaxies. Monthly Notices of the Royal Astronomical Society, 2011, 415, 3798-3806.	4.4	46
52	UV bright globular clusters in M87: more evidence for super-He-rich stellar populations?. Monthly Notices of the Royal Astronomical Society, 2007, 377, 987-996.	4.4	44
53	Galaxy Zoo: dust lane early-type galaxies are tracers of recent, gas-rich minor mergersâ˜…. Monthly Notices of the Royal Astronomical Society, 2012, 423, 59-67.	4.4	44
54	AGN jet-induced feedback in galaxies - II. Galaxy colours from a multicloud simulation. Monthly Notices of the Royal Astronomical Society, 2009, 396, 61-77.	4.4	42

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55	Newborn spheroids at high redshift: when and how did the dominant, old stars in today's massive galaxies form?. Monthly Notices of the Royal Astronomical Society, 2013, 428, 925-934.	4.4	42
56	The Lookâ€back Time Evolution of Farâ€Ultraviolet Flux from the Brightest Cluster Elliptical Galaxies at z < 0.2. Astrophysical Journal, Supplement Series, 2007, 173, 607-618.	7.7	41
57	Galaxy merger histories and the role of merging in driving star formation atzÂ>Â1. Monthly Notices of the Royal Astronomical Society, 2015, 452, 2845-2850.	4.4	41
58	Normal black holes in bulge-less galaxies: the largely quiescent, merger-free growth of black holes over cosmic time. Monthly Notices of the Royal Astronomical Society, 2018, 476, 2801-2812.	4.4	41
59	Optimization of the Observing Cadence for the Rubin Observatory Legacy Survey of Space and Time: A Pioneering Process of Community-focused Experimental Design. Astrophysical Journal, Supplement Series, 2022, 258, 1.	7.7	40
60	On the formation of massive galaxies: a simultaneous study of number density, size and intrinsic colour evolution in GOODS. Monthly Notices of the Royal Astronomical Society, 2009, 396, 1573-1578.	4.4	39
61	THE SIZE EVOLUTION OF PASSIVE GALAXIES: OBSERVATIONS FROM THE WIDE-FIELD CAMERA 3 EARLY RELEASE SCIENCE PROGRAM. Astrophysical Journal, 2012, 749, 53.	4.5	39
62	Star formation and nuclear activity in close pairs of early-type galaxies. Monthly Notices of the Royal Astronomical Society, 2009, 399, 2172-2182.	4.4	37
63	The role of mergers and interactions in driving the evolution of dwarf galaxies over cosmic time. Monthly Notices of the Royal Astronomical Society, 2020, 500, 4937-4957.	4.4	36
64	CHANDRAOBSERVATIONS OF GALAXY ZOO MERGERS: FREQUENCY OF BINARY ACTIVE NUCLEI IN MASSIVE MERGERS. Astrophysical Journal, 2012, 753, 165.	4.5	35
65	Delayed triggering of radio active galactic nuclei in gas-rich minor mergers in the local Universe. Monthly Notices of the Royal Astronomical Society, 2017, 464, 4706-4720.	4.4	34
66	New Horizon: On the Origin of the Stellar Disk and Spheroid of Field Galaxies at zÂ=Â0.7. Astrophysical Journal, 2019, 883, 25.	4.5	34
67	Exploring the formation of spheroidal galaxies out tozâˆ¼ 1.5 in GOODS. Monthly Notices of the Royal Astronomical Society, 2009, 395, 554-566.	4.4	33
68	Recent star formation in local, morphologically disturbed spheroidal galaxies on the optical red sequence. Monthly Notices of the Royal Astronomical Society, 0, 408, 170-180.	4.4	32
69	The triggering of local AGN and their role in regulating star formation. Monthly Notices of the Royal Astronomical Society, 2015, 452, 774-783.	4.4	32
70	The rise and fall of stellar across the peak of cosmic star formation history: effects of mergers versus diffuse stellar mass acquisition. Monthly Notices of the Royal Astronomical Society, 2017, 465, 1241-1258.	4.4	32
71	The limited role of galaxy mergers in driving stellar mass growth over cosmic time. Monthly Notices of the Royal Astronomical Society: Letters, 2017, 472, L50-L54.	3.3	31
72	Dark matter-deficient dwarf galaxies form via tidal stripping of dark matter in interactions with massive companions. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1785-1796.	4.4	30

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73	ANATOMY OF A POST-STARBURST MINOR MERGER: A MULTI-WAVELENGTH WFC3 STUDY OF NGC 4150. Astrophysical Journal, 2011, 727, 115.	4.5	29
74	Star formation and AGN activity in interacting galaxies: a near-UV perspective. Monthly Notices of the Royal Astronomical Society, 2014, 437, 2137-2145.	4.4	29
75	Galaxy Zoo: Major Galaxy Mergers Are Not a Significant Quenching Pathway*. Astrophysical Journal, 2017, 845, 145.	4.5	29
76	The origin of low-surface-brightness galaxies in the dwarf regime. Monthly Notices of the Royal Astronomical Society, 2021, 502, 4262-4276.	4.4	29
77	Active galactic nucleus feedback drives the colour evolution of local galaxies. Monthly Notices of the Royal Astronomical Society, 2011, 413, 2815-2826.	4.4	28
78	Exploring the Origin of Thick Disks Using the NewHorizon and Galactica Simulations. Astrophysical Journal, Supplement Series, 2021, 254, 2.	7.7	28
79	Enhancement of critical current density of (Pb,Sn)-doped Bi-2212 superconductors at high temperature. Physica C: Superconductivity and Its Applications, 2001, 355, 51-58.	1.2	27
80	Cold-gas outflows in typical low-redshift galaxies are driven by star formation, not AGN. Monthly Notices of the Royal Astronomical Society: Letters, 2015, 456, L25-L29.	3.3	26
81	Radio AGN in spiral galaxies. Monthly Notices of the Royal Astronomical Society, 2015, 454, 1595-1604.	4.4	24
82	Spheroidal post-mergers in the local Universe. Monthly Notices of the Royal Astronomical Society, 2012, 420, 2139-2146.	4.4	23
83	Globular clusters as probes of galaxy evolution: NGC 5128. Monthly Notices of the Royal Astronomical Society, 2004, 349, 1493-1499.	4.4	22
84	Galaxy Zoo: multimergers and the Millennium Simulation. Monthly Notices of the Royal Astronomical Society, 2011, 416, 1745-1755.	4.4	22
85	Total density profile of massive early-type galaxies in Hâ€‰<scp>orizon</scp>-AGN simulation: impact of AGN feedback and comparison with observations. Monthly Notices of the Royal Astronomical Society, 2019, 483, 4615-4627.	4.4	22
86	Radio AGN in nearby dwarf galaxies: the important role of AGN in dwarf galaxy evolution. Monthly Notices of the Royal Astronomical Society, 2022, 511, 4109-4122.	4.4	22
87	An ultraviolet study of nearby luminous infrared galaxies: star formation histories and the role of AGN. Monthly Notices of the Royal Astronomical Society, 2009, 394, 1167-1181.	4.4	21
88	Decoding the spectra of SDSS early-type galaxies: new indicators of age and recent star formation. Monthly Notices of the Royal Astronomical Society, 2007, 382, 750-760.	4.4	20
89	Why do extremely massive disc galaxies exist today?. Monthly Notices of the Royal Astronomical Society, 2020, 494, 5568-5575.	4.4	20
90	Preparing for low surface brightness science with the Vera C. Rubin Observatory: Characterization of tidal features from mock images. Monthly Notices of the Royal Astronomical Society, 2022, 513, 1459-1487.	4.4	19

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91	H-ATLAS/GAMA: the nature and characteristics of optically red galaxies detected at submillimetre wavelengths. Monthly Notices of the Royal Astronomical Society, 2016, 456, 2221-2259.	4.4	18
92	Local analogues of high-redshift star-forming galaxies: integral field spectroscopy of green peas. Monthly Notices of the Royal Astronomical Society, 2017, 471, 2311-2320.	4.4	18
93	Identifying the progenitor set of present-day early-type galaxies: a view from the standard model. Astronomy and Astrophysics, 2009, 503, 445-458.	5.1	17
94	Galaxy formation and evolution science in the era of the Large Synoptic Survey Telescope. Nature Reviews Physics, 2019, 1, 450-462.	26.6	17
95	A Herschelâ˜...-ATLAS study of dusty spheroids: probing the minor-merger process in the local Universe. Monthly Notices of the Royal Astronomical Society, 2013, 435, 1463-1468.	4.4	15
96	THE STAR FORMATION HISTORIES OF EARLY-TYPE GALAXIES: INSIGHTS FROM THE REST-FRAME ULTRAVIOLET. Modern Physics Letters A, 2008, 23, 153-167.	1.2	14
97	Composite star formation histories of early-type galaxies from minor mergers: prospects for WFC3. Monthly Notices of the Royal Astronomical Society, 2010, , no-no.	4.4	14
98	Extremely massive disc galaxies in the nearby Universe form through gas-rich minor mergers. Monthly Notices of the Royal Astronomical Society, 2022, 511, 607-615.	4.4	14
99	Identifying the progenitors of present-day early-type galaxies in observational surveys: correcting â€˜progenitor biasâ€™ using the Horizon-AGN simulation. Monthly Notices of the Royal Astronomical Society, 2018, 474, 3140-3151.	4.4	13
100	An infrared study of local galaxy mergers. Astronomy and Astrophysics, 2015, 577, A119.	5.1	12
101	The Effect of Minor and Major Mergers on the Evolution of Low-excitation Radio Galaxies. Astrophysical Journal, 2019, 878, 88.	4.5	12
102	Constraining stellar assembly and active galactic nucleus feedback at the peak epoch of star formation. Monthly Notices of the Royal Astronomical Society: Letters, 2012, 425, L96-L100.	3.3	10
103	Eigengalaxies: describing galaxy morphology using principal components in image space. Monthly Notices of the Royal Astronomical Society, 2020, 498, 4021-4032.	4.4	10
104	Massive spheroids can form in single minor mergers. Monthly Notices of the Royal Astronomical Society, 2019, 489, 4679-4689.	4.4	9
105	ALMA observations of massive molecular gas reservoirs in dusty early-type galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 482, 4617-4629.	4.4	9
106	On the globular cluster formation history of NGC 5128. Astronomy and Astrophysics, 2005, 439, 913-919.	5.1	9
107	The role of major mergers in the size growth of intermediate-mass spheroids. Monthly Notices of the Royal Astronomical Society, 2014, 443, 1861-1866.	4.4	8
108	The role of environment on the formation of early-type galaxies. Monthly Notices of the Royal Astronomical Society, 2010, , .	4.4	7

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109	A PANCHROMATIC CATALOG OF EARLY-TYPE GALAXIES AT INTERMEDIATE REDSHIFT IN THE HUBBLE SPACE TELESCOPE WIDE FIELD CAMERA 3 EARLY RELEASE SCIENCE FIELD. Astrophysical Journal, Supplement Series, 2012, 199, 4.	7.7	7
110	A WFC3 study of globular clusters in NGC 4150: an early-type minor merger. Monthly Notices of the Royal Astronomical Society: Letters, 2012, 422, L96-L100.	3.3	7
111	Misalignment between cold gas and stellar components in early-type galaxies. Monthly Notices of the Royal Astronomical Society, 2015, 447, 3311-3321.	4.4	7
112	A catalogue of faint local radio AGN and the properties of their host galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 479, 807-816.	4.4	7
113	EARLY-TYPE GALAXIES AT INTERMEDIATE REDSHIFT OBSERVED WITHHUBBLE SPACE TELESCOPEWFC3: PERSPECTIVES ON RECENT STAR FORMATION. Astrophysical Journal, 2014, 796, 101.	4.5	6
114	The insignificance of Seyfert 2 activity in driving cold-gas galactic winds. Monthly Notices of the Royal Astronomical Society, 2019, 486, 1608-1619.	4.4	6
115	The distribution of local star formation activity as a function of galaxy stellar mass, environment and morphology. Monthly Notices of the Royal Astronomical Society, 2017, 472, 4910-4917.	4.4	3
116	How the spectral energy distribution and galaxy morphology constrain each other, with application to morphological selection using galaxy colours. Monthly Notices of the Royal Astronomical Society, 2022, 510, 3849-3857.	4.4	2
117	What drives the star formation in early-type galaxies at late epochs? - the case for minor mergers. Proceedings of the International Astronomical Union, 2009, 5, 168-171.	0.0	1
118	Morphology in the era of large surveys. Astronomy and Geophysics, 2013, 54, 5.16-5.19.	0.2	1
119	Environment and the epochs of galaxy formation in the SDSS era. Proceedings of the International Astronomical Union, 2006, 2, .	0.0	0
120	GALEX-derived Residual Star Formation History of Elliptical Galaxies. EAS Publications Series, 2007, 24, 73-76.	0.3	0
121	Recent star formation in high-redshift early-type galaxies: insights from the rest-frame UV. Proceedings of the International Astronomical Union, 2007, 3, 195-200.	0.0	0
122	Black Hole Growth and Host Galaxy Morphology. Proceedings of the International Astronomical Union, 2009, 5, 438-441.	0.0	0
123	Minor-merger-driven growth of early-type galaxies over the last 8 billion years. Proceedings of the International Astronomical Union, 2011, 7, 460-464.	0.0	0
124	Recent star formation in intermediate redshift (0.35< z <1.5) earlyâ€“type galaxies. Proceedings of the International Astronomical Union, 2012, 10, 132-132.	0.0	0
125	Positive AGN feedback in Centaurus A. Proceedings of the International Astronomical Union, 2012, 10, 133-133.	0.0	0
126	Probing quasar shutdown timescales with Hanny's Voorwerp. , 2012, , .		0

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127	Effects of large-scale AGN feedback in local galaxies. Proceedings of the International Astronomical Union, 2012, 8, 375-375.	0.0	0
128	Minor mergers: fundamental but unexplored drivers of galaxy evolution. Proceedings of the International Astronomical Union, 2015, 11, 130-136.	0.0	0
129	The contribution of major mergers to the creation of spheroidal galaxies and the build up of stellar mass at zâ‰ƒ2. Proceedings of the International Astronomical Union, 2015, 11, 29-32.	0.0	0
130	Chronos: A NIR spectroscopic galaxy survey to probe the most fundamental stages of galaxy evolution. Experimental Astronomy, 2021, 51, 729.	3.7	0