

Jesus Falcon-Barroso

List of Publications by Year in descending order

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95
papers

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citations

94433

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72
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95
docs citations

95
times ranked

4521
citing authors

#	ARTICLE	IF	CITATIONS
1	The dark side of galaxy stellar populations â€“ I. The stellar-to-halo mass relation and the velocity dispersionâ€“halo mass relation. Monthly Notices of the Royal Astronomical Society, 2022, 511, 4900-4920.	4.4	7
2	Local variations of the stellar velocity ellipsoid â€“ II. The effect of the bar in the inner regions of Auriga galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 513, 4587-4604.	4.4	1
3	Galaxies within galaxies in the TIMER survey: stellar populations of inner bars are scaled replicas of main bars. Astronomy and Astrophysics, 2021, 646, A42.	5.1	8
4	Local variations of the Stellar Velocity Ellipsoid-I: the disc of galaxies in the Auriga simulations. Monthly Notices of the Royal Astronomical Society, 2021, 506, 1801-1814.	4.4	3
5	NGC 5746: Formation history of a massive disc-dominated galaxy. Monthly Notices of the Royal Astronomical Society, 2021, 508, 2458-2478.	4.4	11
6	Capturing the Physics of MaNGA Galaxies with Self-supervised Machine Learning. Astrophysical Journal, 2021, 921, 177.	4.5	10
7	Insights into formation scenarios of massive early-type galaxies from spatially resolved stellar population analysis in CALIFA. Monthly Notices of the Royal Astronomical Society, 2020, 491, 3562-3585.	4.4	46
8	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
9	On the accretion of a new group of galaxies on to Virgo: I. Internal kinematics of nine in-falling dEs. Monthly Notices of the Royal Astronomical Society, 2020, 497, 1904-1924.	4.4	12
10	Disentangling the formation history of galaxies via population-orbit superposition: method validation. Monthly Notices of the Royal Astronomical Society, 2020, 496, 1579-1597.	4.4	24
11	Stellar populations across galaxy bars in the MUSE TIMER project. Astronomy and Astrophysics, 2020, 637, A56.	5.1	27
12	Globular cluster ejection, infall, and the host dark matter halo of the Pegasus dwarf galaxy. Monthly Notices of the Royal Astronomical Society, 2020, 492, 5102-5120.	4.4	11
13	The Fornax Deep Survey (FDS) with VST. Astronomy and Astrophysics, 2020, 633, C2.	5.1	1
14	Kinematic signatures of nuclear discs and bar-driven secular evolution in nearby galaxies of the MUSE TIMER project. Astronomy and Astrophysics, 2020, 643, A14.	5.1	49
15	Inside-out formation of nuclear discs and the absence of old central spheroids in barred galaxies of the TIMER survey. Astronomy and Astrophysics, 2020, 643, A65.	5.1	44
16	The Fornax Deep Survey (FDS) with VST. Astronomy and Astrophysics, 2019, 625, A143.	5.1	52
17	Survival of molecular gas in a stellar feedback-driven outflow witnessed with the MUSE TIMER project and ALMA. Monthly Notices of the Royal Astronomical Society, 2019, 488, 3904-3928.	4.4	15
18	Clocking the assembly of double-barred galaxies with the MUSE TIMER project. Monthly Notices of the Royal Astronomical Society, 2019, 484, 5296-5314.	4.4	21

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19	A dynamical view on stellar metallicity gradient diversity across the Hubble sequence with CALIFA. Monthly Notices of the Royal Astronomical Society, 2019, 483, 1862-1880.	4.4	20
20	Time Inference with MUSE in Extragalactic Rings (TIMER): properties of the survey and high-level data products. Monthly Notices of the Royal Astronomical Society, 2019, 482, 506-529.	4.4	72
21	Kinematical signatures of disc instabilities and secular evolution in the MUSE TIMER Survey. Proceedings of the International Astronomical Union, 2019, 14, 135-139.	0.0	0
22	Constraining nuclear star cluster formation using MUSE-AO observations of the early-type galaxy FCC 47. Astronomy and Astrophysics, 2019, 628, A92.	5.1	28
23	Secondary Infall in the Seyfertâ€™s Sextet: A Plausible Way Out of the Short Crossing Time Paradox. Astrophysical Journal Letters, 2019, 886, L2.	8.3	2
24	A quartet of black holes and a missing duo: probing the low end of the MBHâ€“ \dot{M} relation with the adaptive optics assisted integral-field spectroscopy. Monthly Notices of the Royal Astronomical Society, 2018, 477, 3030-3064.	4.4	37
25	Orbital decomposition of CALIFA spiral galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 473, 3000-3018.	4.4	64
26	The stellar orbit distribution in present-day galaxies inferred from the CALIFA survey. Nature Astronomy, 2018, 2, 233-238.	10.1	56
27	Shocked POststarburst Galaxy Survey. III. The Ultraviolet Properties of SPOGs. Astrophysical Journal, 2018, 863, 28.	4.5	7
28	MUSE observations of the counter-rotating nuclear ring in NGC 7742. Astronomy and Astrophysics, 2018, 612, A66.	5.1	7
29	The EDGEâ€“CALIFA survey: validating stellar dynamical mass models with CO kinematics. Monthly Notices of the Royal Astronomical Society, 2018, 477, 254-292.	4.4	44
30	The Fornax Deep Survey with the VST. Astronomy and Astrophysics, 2018, 620, A165.	5.1	79
31	Timing the formation and assembly of early-type galaxies via spatially resolved stellar populations analysis. Monthly Notices of the Royal Astronomical Society, 2018, 475, 3700-3729.	4.4	61
32	Stellar kinematics across the Hubble sequence in the CALIFA survey: general properties and aperture corrections. Astronomy and Astrophysics, 2017, 597, A48.	5.1	109
33	The 13th Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the SDSS-IV Survey Mapping Nearby Galaxies at Apache Point Observatory. Astrophysical Journal, Supplement Series, 2017, 233, 25.	7.7	406
34	Welcome to the Twilight Zone: The Mid-infrared Properties of Post-starburst Galaxies. Astrophysical Journal, 2017, 843, 9.	4.5	18
35	The inner mass distribution of late-type spiral galaxies from SAURON stellar kinematic maps. Monthly Notices of the Royal Astronomical Society, 2017, 464, 1903-1922.	4.4	11
36	Integral-field kinematics and stellar populations of early-type galaxies out to three half-light radii. Monthly Notices of the Royal Astronomical Society, 2017, 471, 4005-4026.	4.4	30

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37	The Fornax Deep Survey with VST. <i>Astronomy and Astrophysics</i> , 2017, 608, A142.	5.1	110
38	Young, metal-enriched cores in early-type dwarf galaxies in the Virgo cluster based on colour gradients. <i>Astronomy and Astrophysics</i> , 2017, 606, A135.	5.1	20
39	Radial constraints on the initial mass function from TiO features and Wingâ€“Ford band in early-type galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 1468-1489.	4.4	82
40	SDSS-IV MaNGA: faint quenched galaxies â€“ I. Sample selection and evidence for environmental quenching. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 3955-3978.	4.4	30
41	Creating lenticular galaxies with mergers. <i>Proceedings of the International Astronomical Union</i> , 2016, 11, 114-116.	0.0	1
42	No direct coupling between bending of galaxy disc stellar age and light profiles as seen from CALIFA. <i>Proceedings of the International Astronomical Union</i> , 2016, 11, 278-278.	0.0	0
43	The Stellar Kinematics of Extragalactic Bulges. <i>Astrophysics and Space Science Library</i> , 2016, , 161-183.	2.7	5
44	IMFâ€“METALLICITY: A TIGHT LOCAL RELATION REVEALED BY THE CALIFA SURVEY. <i>Astrophysical Journal Letters</i> , 2015, 806, L31.	8.3	99
45	Virgo cluster and field dwarf ellipticals in 3D â€“ III. Spatially and temporally resolved stellar populations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 1888-1901.	4.4	19
46	Creating SOs with Major Mergers: A 3D View. <i>Galaxies</i> , 2015, 3, 202-211.	3.0	2
47	Radial variations in the stellar initial mass function of early-type galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 1033-1048.	4.4	146
48	OVERVIEW OF THE SDSS-IV MaNGA SURVEY: MAPPING NEARBY GALAXIES AT APACHE POINT OBSERVATORY. <i>Astrophysical Journal</i> , 2015, 798, 7.	4.5	1,119
49	MUSE tells the story of NGC 4371: The dawning of secular evolution. <i>Astronomy and Astrophysics</i> , 2015, 584, A90.	5.1	48
50	Angular Momentum across the Hubble sequence from the CALIFA survey. <i>Proceedings of the International Astronomical Union</i> , 2014, 10, 78-81.	0.0	11
51	The discrepancy between dynamical and stellar masses in massive compact galaxies traces non-homology. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 440, 1634-1648.	4.4	14
52	The Mice at play in the CALIFA survey. <i>Astronomy and Astrophysics</i> , 2014, 567, A132.	5.1	38
53	Dwarf ellipticals in the eye of SAURON: dynamical & stellar population analysis in 3D. <i>Proceedings of the International Astronomical Union</i> , 2014, 10, 161-162.	0.0	0
54	Systematic variation of the stellar initial mass function with velocity dispersion in early-type galaxies. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2013, 429, L15-L19.	3.3	184

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55	An Integral View of Fast Shocks Around Supernova 1006. <i>Science</i> , 2013, 340, 45-48.	12.6	39
56	The ATLAS3D project â€“ XXII. Low-efficiency star formation in early-type galaxies: hydrodynamic models and observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 432, 1914-1927.	4.4	94
57	Virgo cluster and field dwarf ellipticals in 3D â€“ I. On the variety of stellar kinematic and line-strength properties. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 428, 2980-2994.	4.4	47
58	Bottom-heavy initial mass function in a nearby compact $<i>L</i>$ galaxy. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2013, 434, L31-L35.	3.3	38
59	Secular evolution in disk galaxies. , 2013, , 1-154.		55
60	Galaxy morphology. , 2013, , 155-258.		20
61	Bars and secular evolution in disk galaxies: Theoretical input. , 2013, , 305-352.		76
62	The SAURON project - XX. The Spitzer [3.6] âˆ’ [4.5] colour in early-type galaxies: colours, colour gradients and inverted scaling relations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 419, 2031-2053.	4.4	26
63	The SAURON project - XXI. The spatially resolved UV-line strength relations of early-type galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 423, 1921-1939.	4.4	11
64	A SAURON Study of Dwarf Elliptical Galaxies in the Virgo Cluster: Kinematics and Stellar Populations. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2012, , 155-162.	0.3	1
65	An empirical spectral library of chemically well characterized stars for stellar population modelling. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 29-31.	0.0	0
66	The SAURON project - XVIII. The integrated UV-line-strength relations of early-type galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 414, 1887-1902.	4.4	29
67	THE EINSTEIN CROSS: CONSTRAINT ON DARK MATTER FROM STELLAR DYNAMICS AND GRAVITATIONAL LENSING. <i>Astrophysical Journal</i> , 2010, 719, 1481-1496.	4.5	41
68	The SAURON project - XVI. On the sources of ionization for the gas in elliptical and lenticular galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 402, 2187-2210.	4.4	269
69	The SAURON project - XV. Modes of star formation in early-type galaxies and the evolution of the red sequence. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 402, 2140-2186.	4.4	104
70	Kinematics of Inner Bars. The Stellar \tilde{f} -Hollows. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2010, , 279-279.	0.3	0
71	The nature of late-type spiral galaxies: structural parameters, optical and near-infrared colour profiles and dust extinction. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 395, 1669-1694.	4.4	25
72	Stellar velocity profiles and line strengths out to four effective radii in the early-type galaxies NGCâ€“3379 and 821. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 398, 561-574.	4.4	113

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73	The SAURON project - XIII. SAURON-GALEX study of early-type galaxies: the ultraviolet colour-magnitude relations and Fundamental Planes. Monthly Notices of the Royal Astronomical Society, 2009, 398, 2028-2048.	4.4	84
74	The SAURON Project - XIV. No escape from V_{esc} : a global and local parameter in early-type galaxy evolution. Monthly Notices of the Royal Astronomical Society, 2009, 398, 1835-1857.	4.4	76
75	A SAURON view of double-barred galaxies. Proceedings of the International Astronomical Union, 2009, 5, 323-324.	0.0	0
76	The SAURON project - XII. Kinematic substructures in early-type galaxies: evidence for discs in fast rotators. Monthly Notices of the Royal Astronomical Society, 2008, 390, 93-117.	4.4	166
77	A SINFONI VIEW OF GALAXY CENTERS: MORPHOLOGY AND KINEMATICS OF FIVE NUCLEAR STAR-FORMATION RINGS. Astronomical Journal, 2008, 135, 479-495.	4.7	89
78	Quantifying Resonant Structure in NGC 6946 from Two-dimensional Kinematics. Astrophysical Journal, 2007, 667, L137-L140.	4.5	31
79	Fast and slow rotators: the build-up of the red sequence. Proceedings of the International Astronomical Union, 2007, 3, 11-14.	0.0	0
80	Supermassive black holes from OASIS and SAURON integral-field kinematics. Proceedings of the International Astronomical Union, 2007, 3, 215-218.	0.0	2
81	Spiral galaxies in the SAURON survey. Proceedings of the International Astronomical Union, 2007, 3, 271-276.	0.0	0
82	Stellar populations in late-type spirals observed with SAURON. Proceedings of the International Astronomical Union, 2007, 3, 301-302.	0.0	0
83	Connecting stars and ionised gas with integral-field spectroscopy. New Astronomy Reviews, 2007, 51, 13-17.	12.8	3
84	On the origin and fate of ionised-gas in early-type galaxies: The SAURON perspective. New Astronomy Reviews, 2007, 51, 18-23.	12.8	11
85	Absorption-line strengths of 18 late-type spiral galaxies observed with SAURON. Monthly Notices of the Royal Astronomical Society, 2007, 380, 506-540.	4.4	63
86	Stellar Populations of Decoupled Cores in E/S0 Galaxies with sauron and oasis. Proceedings of the International Astronomical Union, 2006, 2, .	0.0	0
87	Two-dimensional spectroscopy of late-type spirals. Proceedings of the International Astronomical Union, 2006, 2, .	0.0	0
88	The SAURON project - VI. Line strength maps of 48 elliptical and lenticular galaxies. Monthly Notices of the Royal Astronomical Society, 2006, 369, 497-528.	4.4	155
89	The SAURON project - VII. Integral-field absorption and emission-line kinematics of 24 spiral galaxy bulges. Monthly Notices of the Royal Astronomical Society, 2006, 369, 529-566.	4.4	175
90	The SAURON project - VIII. OASIS/CFHT integral-field spectroscopy of elliptical and lenticular galaxy centres*. Monthly Notices of the Royal Astronomical Society, 2006, 373, 906-958.	4.4	167

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91	Morphology and kinematics of the ionised gas in early-type galaxies. <i>New Astronomy Reviews</i> , 2006, 49, 515-520.	12.8	10
92	Stellar kinematics and populations of early-type galaxies with the SAURON and OASIS integral-field spectrographs. <i>New Astronomy Reviews</i> , 2006, 49, 521-535.	12.8	21
93	Formation and evolution of S0 galaxies: a SAURON case study of NGC 7332. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 350, 35-46.	4.4	64
94	Bulges on the Fundamental Plane of early-type galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 335, 741-752.	4.4	62
95	The SAURON project - XVII. Stellar population analysis of the absorption line strength maps of 48 early-type galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, 408, 97-132.	4.4	272