

Jesus Falcon-Barroso

List of Publications by Year in descending order

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95
papers

5,779
citations

94433

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82547

72
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docs citations

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4521
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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | 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 |
| 2 | 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. <i>Astrophysical Journal, Supplement Series</i> , 2017, 233, 25. | 7.7 | 406 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | The SAURON project - VII. Integral-field absorption and emission-line kinematics of 24 spiral galaxy bulges. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 369, 529-566. | 4.4 | 175 |
| 7 | The SAURON project - VIII. OASIS/CFHT integral-field spectroscopy of elliptical and lenticular galaxy centres*. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 373, 906-958. | 4.4 | 167 |
| 8 | The SAURON project - XII. Kinematic substructures in early-type galaxies: evidence for discs in fast rotators. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 390, 93-117. | 4.4 | 166 |
| 9 | The SAURON project - VI. Line strength maps of 48 elliptical and lenticular galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 369, 497-528. | 4.4 | 155 |
| 10 | 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 |
| 11 | Stellar velocity profiles and line strengths out to four effective radii in the early-type galaxies NGC 3379 and 821. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 398, 561-574. | 4.4 | 113 |
| 12 | The Fornax Deep Survey with VST. <i>Astronomy and Astrophysics</i> , 2017, 608, A142. | 5.1 | 110 |
| 13 | Stellar kinematics across the Hubble sequence in the CALIFA survey: general properties and aperture corrections. <i>Astronomy and Astrophysics</i> , 2017, 597, A48. | 5.1 | 109 |
| 14 | 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 |
| 15 | IMF - METALLICITY: A TIGHT LOCAL RELATION REVEALED BY THE CALIFA SURVEY. <i>Astrophysical Journal Letters</i> , 2015, 806, L31. | 8.3 | 99 |
| 16 | The ATLAS3D project - 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 |
| 17 | A SINFONI VIEW OF GALAXY CENTERS: MORPHOLOGY AND KINEMATICS OF FIVE NUCLEAR STAR-FORMATION RINGS. <i>Astronomical Journal</i> , 2008, 135, 479-495. | 4.7 | 89 |
| 18 | The SAURON project - XIII. SAURON-GALEX study of early-type galaxies: the ultraviolet colour-magnitude relations and Fundamental Planes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 398, 2028-2048. | 4.4 | 84 |

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|----|--|------|-----------|
| 19 | Radial constraints on the initial mass function from TiO features and Wingâ€“Ford band in early-type galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 457, 1468-1489. | 4.4 | 82 |
| 20 | The Fornax Deep Survey with the VST. Astronomy and Astrophysics, 2018, 620, A165. | 5.1 | 79 |
| 21 | 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 |
| 22 | Bars and secular evolution in disk galaxies: Theoretical input. , 2013, , 305-352. | | 76 |
| 23 | 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 |
| 24 | Formation and evolution of S0 galaxies: a SAURON case study of NGC 7332. Monthly Notices of the Royal Astronomical Society, 2004, 350, 35-46. | 4.4 | 64 |
| 25 | Orbital decomposition of CALIFA spiral galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 473, 3000-3018. | 4.4 | 64 |
| 26 | 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 |
| 27 | Bulges on the Fundamental Plane of early-type galaxies. Monthly Notices of the Royal Astronomical Society, 2002, 335, 741-752. | 4.4 | 62 |
| 28 | 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 |
| 29 | The stellar orbit distribution in present-day galaxies inferred from the CALIFA survey. Nature Astronomy, 2018, 2, 233-238. | 10.1 | 56 |
| 30 | Secular evolution in disk galaxies. , 2013, , 1-154. | | 55 |
| 31 | The Fornax Deep Survey (FDS) with VST. Astronomy and Astrophysics, 2019, 625, A143. | 5.1 | 52 |
| 32 | 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 |
| 33 | MUSE tells the story of NGC 4371: The dawning of secular evolution. Astronomy and Astrophysics, 2015, 584, A90. | 5.1 | 48 |
| 34 | Virgo cluster and field dwarf ellipticals in 3D â€“ I. On the variety of stellar kinematic and line-strength properties. Monthly Notices of the Royal Astronomical Society, 2013, 428, 2980-2994. | 4.4 | 47 |
| 35 | 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 |
| 36 | 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 |

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|----|---|------|-----------|
| 37 | Inside-out formation of nuclear discs and the absence of old central spheroids in barred galaxies of the TIMER survey. <i>Astronomy and Astrophysics</i> , 2020, 643, A65. | 5.1 | 44 |
| 38 | THE EINSTEIN CROSS: CONSTRAINT ON DARK MATTER FROM STELLAR DYNAMICS AND GRAVITATIONAL LENSING. <i>Astrophysical Journal</i> , 2010, 719, 1481-1496. | 4.5 | 41 |
| 39 | An Integral View of Fast Shocks Around Supernova 1006. <i>Science</i> , 2013, 340, 45-48. | 12.6 | 39 |
| 40 | Bottom-heavy initial mass function in a nearby compact L_{IR} galaxy. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2013, 434, L31-L35. | 3.3 | 38 |
| 41 | The Mice at play in the CALIFA survey. <i>Astronomy and Astrophysics</i> , 2014, 567, A132. | 5.1 | 38 |
| 42 | A quartet of black holes and a missing duo: probing the low end of the MBH- σ relation with the adaptive optics assisted integral-field spectroscopy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 3030-3064. | 4.4 | 37 |
| 43 | Quantifying Resonant Structure in NGC 6946 from Two-dimensional Kinematics. <i>Astrophysical Journal</i> , 2007, 667, L137-L140. | 4.5 | 31 |
| 44 | SDSS-IV MaNGA: faint quenched galaxies - I. Sample selection and evidence for environmental quenching. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 3955-3978. | 4.4 | 30 |
| 45 | Integral-field kinematics and stellar populations of early-type galaxies out to three half-light radii. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 4005-4026. | 4.4 | 30 |
| 46 | 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 |
| 47 | Constraining nuclear star cluster formation using MUSE-AO observations of the early-type galaxy FCC 47. <i>Astronomy and Astrophysics</i> , 2019, 628, A92. | 5.1 | 28 |
| 48 | Stellar populations across galaxy bars in the MUSE TIMER project. <i>Astronomy and Astrophysics</i> , 2020, 637, A56. | 5.1 | 27 |
| 49 | The SAURON project - XX. The Spitzer $[3.6] - [4.5]$ 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 |
| 50 | 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 |
| 51 | Disentangling the formation history of galaxies via population-orbit superposition: method validation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 1579-1597. | 4.4 | 24 |
| 52 | 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 |
| 53 | Clocking the assembly of double-barred galaxies with the MUSE TIMER project. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 5296-5314. | 4.4 | 21 |
| 54 | Galaxy morphology. , 2013, , 155-258. | | 20 |

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|----|---|------|-----------|
| 55 | 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 |
| 56 | Young, metal-enriched cores in early-type dwarf galaxies in the Virgo cluster based on colour gradients. Astronomy and Astrophysics, 2017, 606, A135. | 5.1 | 20 |
| 57 | Virgo cluster and field dwarf ellipticals in 3D – III. Spatially and temporally resolved stellar populations. Monthly Notices of the Royal Astronomical Society, 2015, 452, 1888-1901. | 4.4 | 19 |
| 58 | The SAMI–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 |
| 59 | Welcome to the Twilight Zone: The Mid-infrared Properties of Post-starburst Galaxies. Astrophysical Journal, 2017, 843, 9. | 4.5 | 18 |
| 60 | 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 |
| 61 | The discrepancy between dynamical and stellar masses in massive compact galaxies traces non-homology. Monthly Notices of the Royal Astronomical Society, 2014, 440, 1634-1648. | 4.4 | 14 |
| 62 | 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 |
| 63 | 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 |
| 64 | The SAURON project - XXI. The spatially resolved UV-line strength relations of early-type galaxies. Monthly Notices of the Royal Astronomical Society, 2012, 423, 1921-1939. | 4.4 | 11 |
| 65 | Angular Momentum across the Hubble sequence from the CALIFA survey. Proceedings of the International Astronomical Union, 2014, 10, 78-81. | 0.0 | 11 |
| 66 | 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 |
| 67 | 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 |
| 68 | NGC 5746: Formation history of a massive disc-dominated galaxy. Monthly Notices of the Royal Astronomical Society, 2021, 508, 2458-2478. | 4.4 | 11 |
| 69 | Morphology and kinematics of the ionised gas in early-type galaxies. New Astronomy Reviews, 2006, 49, 515-520. | 12.8 | 10 |
| 70 | Capturing the Physics of MaNGA Galaxies with Self-supervised Machine Learning. Astrophysical Journal, 2021, 921, 177. | 4.5 | 10 |
| 71 | 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 |
| 72 | Shocked POSTstarburst Galaxy Survey. III. The Ultraviolet Properties of SPOGs. Astrophysical Journal, 2018, 863, 28. | 4.5 | 7 |

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|----|---|------|-----------|
| 73 | MUSE observations of the counter-rotating nuclear ring in NGC 7742. <i>Astronomy and Astrophysics</i> , 2018, 612, A66. | 5.1 | 7 |
| 74 | The dark side of galaxy stellar populations – I. The stellar-to-halo mass relation and the velocity dispersion–halo mass relation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 4900-4920. | 4.4 | 7 |
| 75 | The Stellar Kinematics of Extragalactic Bulges. <i>Astrophysics and Space Science Library</i> , 2016, , 161-183. | 2.7 | 5 |
| 76 | Connecting stars and ionised gas with integral-field spectroscopy. <i>New Astronomy Reviews</i> , 2007, 51, 13-17. | 12.8 | 3 |
| 77 | Local variations of the Stellar Velocity Ellipsoid-I: the disc of galaxies in the Auriga simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 1801-1814. | 4.4 | 3 |
| 78 | Supermassive black holes from OASIS and SAURON integral-field kinematics. <i>Proceedings of the International Astronomical Union</i> , 2007, 3, 215-218. | 0.0 | 2 |
| 79 | Creating S0s with Major Mergers: A 3D View. <i>Galaxies</i> , 2015, 3, 202-211. | 3.0 | 2 |
| 80 | Secondary Infall in the Seyfert–Sextet: A Plausible Way Out of the Short Crossing Time Paradox. <i>Astrophysical Journal Letters</i> , 2019, 886, L2. | 8.3 | 2 |
| 81 | Creating lenticular galaxies with mergers. <i>Proceedings of the International Astronomical Union</i> , 2016, 11, 114-116. | 0.0 | 1 |
| 82 | The Fornax Deep Survey (FDS) with VST. <i>Astronomy and Astrophysics</i> , 2020, 633, C2. | 5.1 | 1 |
| 83 | 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 |
| 84 | Local variations of the stellar velocity ellipsoid – II. The effect of the bar in the inner regions of Auriga galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 4587-4604. | 4.4 | 1 |
| 85 | Stellar Populations of Decoupled Cores in E/S0 Galaxies with sauron and oasis. <i>Proceedings of the International Astronomical Union</i> , 2006, 2, . | 0.0 | 0 |
| 86 | Two-dimensional spectroscopy of late-type spirals. <i>Proceedings of the International Astronomical Union</i> , 2006, 2, . | 0.0 | 0 |
| 87 | Fast and slow rotators: the build-up of the red sequence. <i>Proceedings of the International Astronomical Union</i> , 2007, 3, 11-14. | 0.0 | 0 |
| 88 | Spiral galaxies in the SAURON survey. <i>Proceedings of the International Astronomical Union</i> , 2007, 3, 271-276. | 0.0 | 0 |
| 89 | Stellar populations in late-type spirals observed with SAURON. <i>Proceedings of the International Astronomical Union</i> , 2007, 3, 301-302. | 0.0 | 0 |
| 90 | A SAURON view of double-barred galaxies. <i>Proceedings of the International Astronomical Union</i> , 2009, 5, 323-324. | 0.0 | 0 |

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|----|---|-----|-----------|
| 91 | An empirical spectral library of chemically well characterized stars for stellar population modelling. Proceedings of the International Astronomical Union, 2011, 7, 29-31. | 0.0 | 0 |
| 92 | Dwarf ellipticals in the eye of SAURON: dynamical & stellar population analysis in 3D. Proceedings of the International Astronomical Union, 2014, 10, 161-162. | 0.0 | 0 |
| 93 | No direct coupling between bending of galaxy disc stellar age and light profiles as seen from CALIFA. Proceedings of the International Astronomical Union, 2016, 11, 278-278. | 0.0 | 0 |
| 94 | 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 |
| 95 | Kinematics of Inner Bars. The Stellar \bar{f} -Hollows. Thirty Years of Astronomical Discovery With UKIRT, 2010, , 279-279. | 0.3 | 0 |