

Yago Ascasibar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7936225/publications.pdf>

Version: 2024-02-01

65
papers

2,750
citations

236925

25
h-index

175258

52
g-index

66
all docs

66
docs citations

66
times ranked

2816
citing authors

#	ARTICLE	IF	CITATIONS
1	Halo es gone MADã...: The Halo-Finder Comparison Project. Monthly Notices of the Royal Astronomical Society, 2011, 415, 2293-2318.	4.4	302
2	The Origin of Cold Fronts in the Cores of Relaxed Galaxy Clusters. Astrophysical Journal, 2006, 650, 102-127.	4.5	273
3	CALIFA, the Calar Alto Legacy Integral Field Area survey. Astronomy and Astrophysics, 2016, 594, A36.	5.1	193
4	CALIFA, the Calar Alto Legacy Integral Field Area survey. Astronomy and Astrophysics, 2015, 576, A135.	5.1	159
5	SPATIALLY RESOLVED STAR FORMATION MAIN SEQUENCE OF GALAXIES IN THE CALIFA SURVEY. Astrophysical Journal Letters, 2016, 821, L26.	8.3	148
6	Structure finding in cosmological simulations: the state of affairs. Monthly Notices of the Royal Astronomical Society, 2013, 435, 1618-1658.	4.4	138
7	Subhaloes going Notts: the subhalo-finder comparison project. Monthly Notices of the Royal Astronomical Society, 2012, 423, 1200-1214.	4.4	132
8	Star formation along the Hubble sequence. Astronomy and Astrophysics, 2016, 590, A44.	5.1	128
9	On the physical origin of dark matter density profiles. Monthly Notices of the Royal Astronomical Society, 2004, 352, 1109-1120.	4.4	123
10	Shape of the oxygen abundance profiles in CALIFA face-on spiral galaxies. Astronomy and Astrophysics, 2016, 587, A70.	5.1	123
11	Constraints on dark matter and the shape of the Milky Way dark halo from the 511-keV line. Monthly Notices of the Royal Astronomical Society, 2006, 368, 1695-1705.	4.4	80
12	LOCALIZED STARBURSTS IN DWARF GALAXIES PRODUCED BY THE IMPACT OF LOW-METALLICITY COSMIC GAS CLOUDS. Astrophysical Journal Letters, 2015, 810, L15.	8.3	73
13	Numerical estimation of densities. Monthly Notices of the Royal Astronomical Society, 2005, 356, 872-882.	4.4	63
14	The radial structure of galaxy groups and clusters. Monthly Notices of the Royal Astronomical Society, 2003, 346, 731-745.	4.4	62
15	The dynamical structure of dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2008, 386, 2022-2030.	4.4	44
16	The dependence of oxygen and nitrogen abundances on stellar mass from the CALIFA survey. Astronomy and Astrophysics, 2016, 595, A62.	5.1	38
17	Extremely metal-poor galaxies: The α content. Astronomy and Astrophysics, 2013, 558, A18.	5.1	38
18	Secondary infall and dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2007, 376, 393-404.	4.4	36

#	ARTICLE	IF	CITATIONS
19	More evidence in favor of light dark matter particles?. Physical Review D, 2004, 70, .	4.7	35
20	An approximate treatment of gravitational collapse. Physica D: Nonlinear Phenomena, 2013, 262, 71-82.	2.8	33
21	Understanding chemical evolution in resolved galaxies â€“ I. The local star fractionâ€“metallicity relation. Monthly Notices of the Royal Astronomical Society, 2015, 448, 2126-2134.	4.4	33
22	Streams going Notts: the tidal debris finder comparison project. Monthly Notices of the Royal Astronomical Society, 2013, 433, 1537-1555.	4.4	32
23	Subhaloes gone Notts: spin across subhaloes and finders. Monthly Notices of the Royal Astronomical Society, 2013, 429, 2739-2747.	4.4	31
24	Nature or nurture? Clues from the distribution of specific star formation rates in SDSS galaxies. Monthly Notices of the Royal Astronomical Society, 2015, 451, 888-903.	4.4	28
25	Adiabatic scaling relations of galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2006, 371, 193-203.	4.4	27
26	Numerical simulations of the cosmic star formation history. Astronomy and Astrophysics, 2002, 387, 396-405.	5.1	26
27	Arm and interarm abundance gradients in CALIFA spiral galaxies. Astronomy and Astrophysics, 2017, 603, A113.	5.1	24
28	A phenomenological model of galaxy clusters. Monthly Notices of the Royal Astronomical Society, 0, 383, 369-374.	4.4	22
29	The time evolution of the Milky Wayâ€™s oxygen abundance gradient. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	21
30	Do galaxies form a spectroscopic sequence?. Monthly Notices of the Royal Astronomical Society, 2011, 415, 2417-2425.	4.4	18
31	The chemical case for no winds in dwarf irregular galaxies. Monthly Notices of the Royal Astronomical Society, 2013, 434, 2491-2502.	4.4	17
32	Estimating multidimensional probability fields using the Field Estimator for Arbitrary Spaces (FiEstAS) with applications to astrophysics. Computer Physics Communications, 2010, 181, 1438-1443.	7.5	16
33	The cosmological free-free signal from galaxy groups and clusters. Monthly Notices of the Royal Astronomical Society, 2011, 410, 2353-2362.	4.4	16
34	Effect of dark matter annihilation on gas cooling and star formation. Astronomy and Astrophysics, 2007, 462, L65-L68.	5.1	15
35	Subhaloes gone Notts: the clustering properties of subhaloes. Monthly Notices of the Royal Astronomical Society, 2014, 438, 3205-3221.	4.4	15
36	Multimessenger constraints on dark matter annihilation into electronâ€“positron pairs. Monthly Notices of the Royal Astronomical Society, 2014, 439, 566-587.	4.4	15

#	ARTICLE	IF	CITATIONS
37	Resolving the age bimodality of galaxy stellar populations on kpc scales. Monthly Notices of the Royal Astronomical Society, 0, , stx251.	4.4	15
38	The SELGIFS data challenge: generating synthetic observations of CALIFA galaxies from hydrodynamical simulations. Monthly Notices of the Royal Astronomical Society, 2018, 479, 917-931.	4.4	15
39	Subhaloes gone Notts: subhaloes as tracers of the dark matter halo shape. Monthly Notices of the Royal Astronomical Society, 2014, 442, 1197-1210.	4.4	14
40	Pressure from dark matter annihilation and the rotation curve of spiral galaxies. Monthly Notices of the Royal Astronomical Society, 2011, 413, 1991-2003.	4.4	13
41	2D-Galactic chemical evolution: the role of the spiral density wave. Monthly Notices of the Royal Astronomical Society, 2019, 490, 665-682.	4.4	13
42	THE CALIFA AND HIPASS CIRCULAR VELOCITY FUNCTION FOR ALL MORPHOLOGICAL GALAXY TYPES. Astrophysical Journal Letters, 2016, 827, L36.	8.3	11
43	A single galaxy population? Statistical evidence that the star-forming main sequence might be the tip of the iceberg. Monthly Notices of the Royal Astronomical Society, 2020, 499, 573-586.	4.4	11
44	Galaxy chemical evolution models: the role of molecular gas formation. Monthly Notices of the Royal Astronomical Society, 2017, 468, 305-318.	4.4	10
45	MUSE Reveals Extended Circumnuclear Outflows in the Seyfert 1 NGC 7469. Astrophysical Journal Letters, 2021, 906, L6.	8.3	9
46	The contribution of star-forming galaxies to the cosmic radio background. Monthly Notices of the Royal Astronomical Society, 2011, 418, 691-695.	4.4	8
47	FiEstAS sampling—a Monte Carlo algorithm for multidimensional numerical integration. Computer Physics Communications, 2008, 179, 881-887.	7.5	7
48	Looking for the Sunyaev-Zel'dovich effect in the Virgo cluster from WMAP and ROSAT data. Monthly Notices of the Royal Astronomical Society, 2008, 389, 1805-1814.	4.4	7
49	Galaxy evolution on resolved scales: ageing and quenching in CALIFA. Monthly Notices of the Royal Astronomical Society, 2021, 507, 5477-5491.	4.4	7
50	An anomalous Wilkinson Microwave Anisotropy Probe signal in the ecliptic plane. Monthly Notices of the Royal Astronomical Society, 2010, 402, 1213-1220.	4.4	6
51	BaTMAn: Bayesian Technique for Multi-image Analysis. Monthly Notices of the Royal Astronomical Society, 2017, 466, 3989-4008.	4.4	6
52	Chemical evolution of galaxies: emerging dust and the different gas phases in a new multiphase code. Monthly Notices of the Royal Astronomical Society, 2020, 494, 146-160.	4.4	6
53	Hydrostatic photoionization models of the Orion Bar. Monthly Notices of the Royal Astronomical Society, 2011, 416, 1546-1555.	4.4	5
54	Uncertainties in gas kinematics arising from stellar continuum modeling in integral field spectroscopy data: the case of NGC 2906 observed with VLT/MUSE. Astronomy and Astrophysics, 2019, 625, A83.	5.1	4

#	ARTICLE	IF	CITATIONS
55	On the probabilistic approach to the N-body problem. Monthly Notices of the Royal Astronomical Society, 2018, 479, 4225-4238.	4.4	3
56	Star Formation and Cosmological Simulations. Astrophysics and Space Science, 1998, 263, 31-34.	1.4	2
57	Photoionized gas in hydrostatic equilibrium: the role of gravity. Monthly Notices of the Royal Astronomical Society, 2010, , .	4.4	1
58	Light dark matter and galaxy formation. AIP Conference Proceedings, 2006, , .	0.4	0
59	Subarcsecond radio continuum mapping in and around the spiral galaxy NGC 3351 using MERLIN. Monthly Notices of the Royal Astronomical Society, 2010, , no-no.	4.4	0
60	The dependence of oxygen and nitrogen abundances on stellar mass from the CALIFA survey (Corrigendum). Astronomy and Astrophysics, 2018, 611, C1.	5.1	0
61	Study of Galaxy Cluster Properties from High-Resolution SPH Simulations. , 2004, , 203-206.		0
62	Formation and Evolution of Gas-Rich Dwarf Galaxies. Thirty Years of Astronomical Discovery With UKIRT, 2012, , 55-58.	0.3	0
63	The Distribution of Galaxies in Spectral Space. Springer Series in Astrostatistics, 2012, , 63-69.	0.6	0
64	Cosmic Rays in the Orion Bar. Thirty Years of Astronomical Discovery With UKIRT, 2013, , 277-282.	0.3	0
65	The evolution of the oxygen radial gradients in spiral galaxies. Proceedings of the International Astronomical Union, 2018, 14, 265-265.	0.0	0