

Angeles Isabel DÃ-az

List of Publications by Year in descending order

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126
papers

4,976
citations

109321

35
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98798

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129
docs citations

129
times ranked

2769
citing authors

#	ARTICLE	IF	CITATIONS
1	The O3N2 and N2 abundance indicators revisited: improved calibrations based on CALIFA and T _e -based literature data. <i>Astronomy and Astrophysics</i> , 2013, 559, A114.	5.1	409
2	A characteristic oxygen abundance gradient in galaxy disks unveiled with CALIFA. <i>Astronomy and Astrophysics</i> , 2014, 563, A49.	5.1	362
3	Mass-metallicity relation explored with CALIFA. <i>Astronomy and Astrophysics</i> , 2013, 554, A58.	5.1	209
4	The chemical composition gradient across M 33. <i>Monthly Notices of the Royal Astronomical Society</i> , 1988, 235, 633-653.	4.4	170
5	CALIFA, the Calar Alto Legacy Integral Field Area survey. <i>Astronomy and Astrophysics</i> , 2013, 549, A87.	5.1	170
6	A Database for Galaxy Evolution Modeling. <i>Publications of the Astronomical Society of the Pacific</i> , 1996, 108, 996.	3.1	156
7	Integral field spectroscopy of a sample of nearby galaxies. <i>Astronomy and Astrophysics</i> , 2012, 546, A2.	5.1	138
8	On the behaviour of the IR CA II triplet in normal and active galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 1990, 242, 271-284.	4.4	125
9	Violent star formation in NGC 2363. <i>Astrophysical Journal</i> , 1994, 437, 239.	4.5	122
10	Near-IR features in late type stars: their relation with stellar atmosphere parameters. <i>Monthly Notices of the Royal Astronomical Society</i> , 1989, 239, 325-345.	4.4	112
11	Line temperatures and elemental abundances in H II galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 346, 105-118.	4.4	112
12	A grid of chemical evolution models as a tool to interpret spiral and irregular galaxies data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 358, 521-543.	4.4	112
13	A comparative analysis of empirical calibrators for nebular metallicity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 361, 1063-1076.	4.4	111
14	Abundance analysis of giant H II regions in M51. <i>Monthly Notices of the Royal Astronomical Society</i> , 1991, 253, 245-255.	4.4	101
15	A NEW SCALING RELATION FOR H II REGIONS IN SPIRAL GALAXIES: UNVEILING THE TRUE NATURE OF THE MASS-METALLICITY RELATION. <i>Astrophysical Journal Letters</i> , 2012, 756, L31.	8.3	98
16	Precision abundance analysis of bright H α galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, 383, 209-229.	4.4	91
17	PPAK wide-field Integral Field Spectroscopy of NGC 628 - II. Emission line abundance analysis.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 415, 2439-2474.	4.4	83
18	Evolution of spiral galaxies. 3: Application of the multiphase model to the galactic disk. <i>Astrophysical Journal</i> , 1994, 427, 745.	4.5	83

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19	Evolution of Spiral Galaxies. VII. Time Evolution of the Radial Distributions of Abundances. <i>Astrophysical Journal</i> , 1997, 475, 519-533.	4.5	82
20	The nitrogen-to-oxygen evolution in galaxies: the role of the star formation rate. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 372, 1069-1080.	4.4	81
21	A comprehensive study of reported high-metallicity giant H II regions I. Detailed abundance analysis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 329, 315-335.	4.4	80
22	Neon and argon optical emission lines in ionized gaseous nebulae: implications and applications. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 381, 125-135.	4.4	74
23	An empirical calibration of nebular abundances based on the sulphur emission lines. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 312, 130-138.	4.4	73
24	Chemical abundances and ionizing clusters of H II regions in the LINER galaxy NGC 4258. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 318, 462-474.	4.4	70
25	The temperature and ionization structure of the emitting gas in H II galaxies: implications for the accuracy of abundance determinations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 372, 293-312.	4.4	70
26	PPAK Wide-field Integral Field Spectroscopy of NGC 628 - I. The largest spectroscopic mosaic on a single galaxy.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 410, 313-340.	4.4	70
27	The starburst galaxy NGC 7714. <i>Astrophysical Journal</i> , 1995, 439, 604.	4.5	70
28	Detailed spectrophotometric study of the giant H II region NGC 604. <i>Monthly Notices of the Royal Astronomical Society</i> , 1987, 226, 19-37.	4.4	63
29	Evolution of Spiral Galaxies. VI. Radial Distributions of Abundances in External Galaxies. <i>Astrophysical Journal</i> , 1996, 466, 668.	4.5	62
30	Optical and near-IR spectrophotometry of the galaxy NGC 3310. <i>Monthly Notices of the Royal Astronomical Society</i> , 1993, 260, 177-190.	4.4	56
31	The metal abundance of circumnuclear star-forming regions in early-type spirals. Spectrophotometric observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 382, 251-269.	4.4	54
32	Integral field spectroscopy of nitrogen overabundant blue compact dwarf galaxies. <i>Astronomy and Astrophysics</i> , 2011, 532, A141.	5.1	46
33	The Stellar Content of Giant HII Regions in NGC 7714. <i>Astrophysical Journal</i> , 1997, 478, 112-123.	4.5	44
34	Stellar populations in the nuclear regions of nearby radio galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 325, 636-648.	4.4	42
35	New detections of Ly $\hat{\pm}$ emission in young galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 1993, 260, 3-8.	4.4	37
36	A spectroscopic search for red supergiants in the M33 giant H II region NGC 604. <i>Monthly Notices of the Royal Astronomical Society</i> , 1996, 279, 1219-1234.	4.4	36

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37	Hydrogen absorption line profiles of ionizing star clusters. Monthly Notices of the Royal Astronomical Society, 1988, 231, 57-67.	4.4	35
38	On the Large Escape of Ionizing Radiation from Giant Extragalactic H [CSC]ii/[CSC] Regions. Astrophysical Journal, 2002, 565, L79-L82.	4.5	35
39	PINGS: the PPAK IFS Nearby Galaxies Survey. Monthly Notices of the Royal Astronomical Society, 2010, . .	4.4	35
40	popstar evolutionary synthesis models II: optical emission-line spectra from giant H&fii regions. Monthly Notices of the Royal Astronomical Society, 2010, 403, 2012-2032.	4.4	34
41	The chemical evolution of spiral galaxies: the Galaxy, M31, M33, M83 and M101. Monthly Notices of the Royal Astronomical Society, 1984, 208, 365-377.	4.4	33
42	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
43	Primordial helium abundance determination using sulphur as metallicity tracer. Monthly Notices of the Royal Astronomical Society, 2018, 478, 5301-5319.	4.4	33
44	Kinematics of gas and stars in the circumnuclear star-forming ring of NGC&f3351. Monthly Notices of the Royal Astronomical Society, 2007, 378, 163-178.	4.4	32
45	Integral field spectroscopy of H&fii region complexes: the outer disc of NGC&f6946. Monthly Notices of the Royal Astronomical Society, 2010, 408, 2234-2255.	4.4	31
46	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
47	The role of gas infall in the evolution of disc galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 462, 1329-1340.	4.4	28
48	Evolutionary models for high-metallicity giant extragalactic H II regions. Astrophysical Journal, Supplement Series, 1994, 91, 553.	7.7	28
49	PPAK Wide field Integral Field Spectroscopy of NGC 628 â€™ III. Stellar population properties. Monthly Notices of the Royal Astronomical Society, 2014, 437, 1534-1548.	4.4	27
50	An empirical calibration of sulphur abundance in ionised gaseous nebulae. Astronomy and Astrophysics, 2006, 449, 193-201.	5.1	27
51	The intensities of the sulphur III lines and the ionization mechanisms in Liners. Monthly Notices of the Royal Astronomical Society, 1985, 212, 737-749.	4.4	26
52	V, R, I and H& photometry of circumnuclear star-forming regions in four galaxies with different levels of nuclear activity. Monthly Notices of the Royal Astronomical Society, 2000, 311, 120-134.	4.4	26
53	The impact of the visibility of the [O iii]â€™4363 line on the general properties of H ii galaxies in the Local Universe. Monthly Notices of the Royal Astronomical Society, 2006, 365, 454-468.	4.4	26
54	Broad-band and H& surface photometry of the central regions of nearby active galaxies -- I. Observations. Monthly Notices of the Royal Astronomical Society, 2000, 312, 2-32.	4.4	24

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55	Integral field spectroscopy of H α regions in M33. Monthly Notices of the Royal Astronomical Society, 2013, 430, 472-508.	4.4	22
56	High-resolution spectroscopy of the blue compact dwarf galaxy Haro 15 - II. Chemodynamics. Monthly Notices of the Royal Astronomical Society, 2012, 422, 3475-3494.	4.4	20
57	A Bayesian direct method implementation to fit emission line spectra: application to the primordial He abundance determination. Monthly Notices of the Royal Astronomical Society, 2019, 487, 3221-3238.	4.4	20
58	Stellar indices and kinematics in Seyfert 1 nuclei. Monthly Notices of the Royal Astronomical Society, 2000, 317, 907-921.	4.4	19
59	The evolution of H II galaxies: testing the bursting scenario through the use of self-consistent models. Monthly Notices of the Royal Astronomical Society, 2008, 385, 854-866.	4.4	18
60	Ionizing stellar population in the disc of NGC 3310 - I. The impact of a minor merger on galaxy evolution.... Monthly Notices of the Royal Astronomical Society, 2014, 440, 2265-2289.	4.4	18
61	The nature of the Wolf-Rayet galaxy Mrk 209 from photoionization models. Monthly Notices of the Royal Astronomical Society, 2007, 377, 1195-1205.	4.4	17
62	Abundance determination of multiple star-forming regions in the H II galaxy SDSS J165712.75+321141.4. Monthly Notices of the Royal Astronomical Society, 2011, 414, 272-288.	4.4	17
63	THE 100 Myr STAR FORMATION HISTORY OF NGC 5471 FROM CLUSTER AND RESOLVED STELLAR PHOTOMETRY. Astronomical Journal, 2011, 141, 126.	4.7	17
64	The chemical case for no winds in dwarf irregular galaxies. Monthly Notices of the Royal Astronomical Society, 2013, 434, 2491-2502.	4.4	17
65	Long-slit spectrophotometry of the multiple knots of the polar ring galaxy II Zw 71. Astronomy and Astrophysics, 2009, 497, 53-63.	5.1	17
66	Functional and Physical Parameters of HII Galaxies. Astrophysics and Space Science, 1998, 263, 143-146.	1.4	16
67	On the derivation of dynamical masses of the stellar clusters in the circumnuclear region of NGC 2903. Monthly Notices of the Royal Astronomical Society, 2009, 396, 2295-2312.	4.4	16
68	Sulphur III lines and the excitation mechanism in NGC 1052. Monthly Notices of the Royal Astronomical Society, 1985, 214, 41P-45P.	4.4	15
69	The chemical evolution of spiral galaxies: M51, NGC 2403, NGC 6946 and IC 342. Monthly Notices of the Royal Astronomical Society, 1985, 217, 571-584.	4.4	15
70	High-resolution surface photometry of the core of NGC 4151. Monthly Notices of the Royal Astronomical Society, 1991, 249, 36-45.	4.4	15
71	Structural parameters of nearby emission-line galaxies. Monthly Notices of the Royal Astronomical Society, 2004, 350, 1087-1106.	4.4	15
72	Hubble Space Telescope Spectroscopy of Four Luminous Compact Blue Galaxies at Intermediate Redshift. Astronomical Journal, 2004, 128, 1541-1551.	4.7	15

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73	The circumnuclear environment of the peculiar galaxy NGC 3310. Monthly Notices of the Royal Astronomical Society, 2010, 402, 1005-1026.	4.4	15
74	High-resolution spectroscopy of the blue compact dwarf galaxy Haro 15 - I. Internal kinematics. Monthly Notices of the Royal Astronomical Society, 2011, 414, 3288-3297.	4.4	15
75	Detection of Ca II absorption triplet in a circumnuclear H II region of NGC 3310. Monthly Notices of the Royal Astronomical Society, 1990, 242, 48P-51P.	4.4	14
76	The NGC 7771+NGC 7770 minor merger: harassing the little one?. Monthly Notices of the Royal Astronomical Society: Letters, 2012, 425, L46-L50.	3.3	14
77	Characterization of the emitting and absorbing media around the nucleus of the active galaxy UGC 11763 using XMM-Newton data. Astronomy and Astrophysics, 2009, 505, 541-551.	5.1	13
78	A comprehensive study of reported high-metallicity giant H II regions II. Ionizing stellar populations. Monthly Notices of the Royal Astronomical Society, 2002, 337, 540-552.	4.4	12
79	High-velocity blueshifted Fe II absorption in the dwarf star-forming galaxy PHL 293B: evidence for a wind driven supershell?. Monthly Notices of the Royal Astronomical Society, 2014, 445, 1449-1461.	4.4	12
80	Damped Ly α Systems as Spiral Galaxies. Astrophysical Journal, 1997, 487, L29-L32.	4.5	12
81	A study of the ionized gas in Stephan's Quintet from integral field spectroscopy observations... Monthly Notices of the Royal Astronomical Society, 2014, 442, 495-508.	4.4	11
82	Implications of the kinematical structure of circumnuclear star-forming regions on their derived properties. Monthly Notices of the Royal Astronomical Society, 2013, 432, 810-821.	4.4	10
83	Galaxy chemical evolution models: the role of molecular gas formation. Monthly Notices of the Royal Astronomical Society, 2017, 468, 305-318.	4.4	10
84	The delay time distribution of supernovae from integral-field spectroscopy of nearby galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 501, 3122-3136.	4.4	10
85	Stellar atmospheric parameters and the IR CaII triplet. Astrophysics and Space Science, 1989, 157, 15-21.	1.4	9
86	Stellar Populations Found in the Central Kiloparsec of Four Luminous Compact Blue Galaxies at Intermediate Redshift. Astronomical Journal, 2007, 134, 2455-2473.	4.7	9
87	Disentangling the metallicity and star formation history of H II galaxies through tailor-made models. Monthly Notices of the Royal Astronomical Society, 2010, , .	4.4	9
88	A comprehensive photometric study of circumnuclear star-forming rings - I. The sample. Monthly Notices of the Royal Astronomical Society, 2015, 451, 3173-3191.	4.4	9
89	A comprehensive approach to analyzing the XMM-Newton data of Seyfert 1 galaxies. Astronomy and Astrophysics, 2011, 530, A125.	5.1	9
90	Evolution of star-forming dwarf galaxies: characterizing the star formation scenarios. Monthly Notices of the Royal Astronomical Society, 2012, 420, 1294-1308.	4.4	8

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91	Ionizing stellar population in the disc of NGC 3310 – II. The Wolf-Rayet population... Monthly Notices of the Royal Astronomical Society, 2014, 445, 3803-3822.	4.4	7
92	On the use of sulphur as a tracer for abundances in galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 511, 4377-4392.	4.4	7
93	On the nature of the stellar population in the nucleus of the Sd galaxy NGC 7793. Monthly Notices of the Royal Astronomical Society, 1982, 201, 49P-55P.	4.4	6
94	BaTMan: Bayesian Technique for Multi-image Analysis. Monthly Notices of the Royal Astronomical Society, 2017, 466, 3989-4008.	4.4	6
95	Hydrostatic photoionization models of the Orion Bar. Monthly Notices of the Royal Astronomical Society, 2011, 416, 1546-1555.	4.4	5
96	Direct determination of oxygen abundances in line-emitting star-forming galaxies at intermediate redshift. Monthly Notices of the Royal Astronomical Society, 2016, 455, 3359-3366.	4.4	5
97	A simple population synthesis model for the continuum of the Seyfert type-2 galaxy Mkn 348. Astrophysics and Space Science, 1989, 157, 125-130.	1.4	3
98	Women in the History of Astronomy. Astrophysics and Space Science, 1998, 263, 401-404.	1.4	3
99	Direct measurement of lensing amplification in Abell S1063 using a strongly lensed high redshift HII galaxy. Astronomy and Astrophysics, 2016, 592, L7.	5.1	3
100	A population synthesis model for the ultraviolet spectrum of the peculiar galaxy NGC 1672. Astrophysics and Space Science, 1990, 171, 65-69.	1.4	2
101	Testing the consistency of the Starburst scenario for active galactic nuclei. Astrophysics and Space Science, 1993, 205, 77-84.	1.4	1
102	The Ca II triplet lines in Starburst and AGN. Astrophysics and Space Science, 1993, 205, 85-89.	1.4	1
103	Photoionized gas in hydrostatic equilibrium: the role of gravity. Monthly Notices of the Royal Astronomical Society, 2010, , .	4.4	1
104	CCD surface photometry of the Seyfert 1 galaxy NGC 4151. Astrophysics and Space Science, 1990, 171, 29-41.	1.4	0
105	Light curve fittings of active galactic nuclei using supernova explosions. Astrophysics and Space Science, 1990, 171, 61-64.	1.4	0
106	CCD Surface Photometry of Nearby Active Galaxies. Astrophysics and Space Science, 1998, 263, 107-110.	1.4	0
107	Star Formation in Circumnuclear Rings. Astrophysics and Space Science, 1998, 263, 139-142.	1.4	0
108	Chemical Evolution in the Early Universe: Can Damped Ly α Systems Be Spiral Galaxies?. Astrophysics and Space Science, 1998, 263, 71-74.	1.4	0

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109	Spectrophotometric Analysis of HII Regions in NGC 4258. <i>Astrophysics and Space Science</i> , 1998, 263, 135-138.	1.4	0
110	Empirical Abundance Determination for Ionized Nebulae. <i>Astrophysics and Space Science</i> , 2001, 277, 197-197.	1.4	0
111	The Evolution of Stellar Populations. <i>Astrophysics and Space Science</i> , 2001, 277, 361-368.	1.4	0
112	Radial Gradients of Abundances. <i>Astrophysics and Space Science</i> , 2002, 281, 141-142.	1.4	0
113	Galactic evolution along the hubble sequence. <i>Astrophysics and Space Science</i> , 2003, 284, 767-770.	1.4	0
114	XMM-Newton RGS spectra of four Seyfert 1 galaxies. <i>Proceedings of the International Astronomical Union</i> , 2006, 2, 335-336.	0.0	0
115	Star formation in NGC5471. <i>Astrophysics and Space Science</i> , 2009, 324, 337-340.	1.4	0
116	Kinematics of gas and stars in circumnuclear star-forming regions of early-type spirals. <i>Astrophysics and Space Science</i> , 2009, 324, 341-342.	1.4	0
117	Properties of the ionised gas of circumnuclear star-forming regions in early-type spirals. <i>Astrophysics and Space Science</i> , 2009, 324, 209-214.	1.4	0
118	Haro15: Is it actually a low metallicity galaxy?. <i>Proceedings of the International Astronomical Union</i> , 2009, 5, 243-244.	0.0	0
119	Subarcsecond radio continuum mapping in and around the spiral galaxy NGC 3351 using MERLIN. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, , no-no.	4.4	0
120	0.8mm extragalactic surveys of nearby galaxies. <i>Proceedings of the International Astronomical Union</i> , 2016, 11, 305-305.	0.0	0
121	The evolution of the oxygen abundance radial gradient in the Milky Way Galaxy disk. <i>Proceedings of the International Astronomical Union</i> , 2016, 12, 245-253.	0.0	0
122	Properties of the outer regions of spiral disks: abundances, colors and ages. <i>Proceedings of the International Astronomical Union</i> , 2016, 11, 102-104.	0.0	0
123	Optical/Near-IR spatially resolved study of the H α galaxy Tol 02.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 2829-2847.	4.4	0
124	The Stellar Populations of Nearby Radiogalaxies. <i>Springer Proceedings in Physics</i> , 2001, , 157-162.	0.2	0
125	Cosmic Rays in the Orion Bar. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2013, , 277-282.	0.3	0
126	Empirical Calibrations of Nebular Abundances: The Sulphur Abundance Parameter. <i>Globular Clusters - Guides To Galaxies</i> , 1999, , 134-138.	0.1	0