

Miguel Querejeta

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

3,429
citations

117625

34
h-index

149698

56
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58
all docs

58
docs citations

58
times ranked

2224
citing authors

#	ARTICLE	IF	CITATIONS
1	THE <i>SPITZER</i> SURVEY OF STELLAR STRUCTURE IN GALAXIES (S ⁴ G): MULTI-COMPONENT DECOMPOSITION STRATEGIES AND DATA RELEASE. <i>Astrophysical Journal, Supplement Series</i> , 2015, 219, 4.	7.7	202
2	RECONSTRUCTING THE STELLAR MASS DISTRIBUTIONS OF GALAXIES USING S ⁴ G IRAC 3.6 AND 4.5 $\frac{1}{4}$ m IMAGES. II. THE CONVERSION FROM LIGHT TO MASS. <i>Astrophysical Journal</i> , 2014, 788, 144.	4.5	199
3	Cloud-scale Molecular Gas Properties in 15 Nearby Galaxies. <i>Astrophysical Journal</i> , 2018, 860, 172.	4.5	182
4	The lifecycle of molecular clouds in nearby star-forming disc galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 2872-2909.	4.4	178
5	THE <i>SPITZER</i> SURVEY OF STELLAR STRUCTURE IN GALAXIES (S ⁴ G): PRECISE STELLAR MASS DISTRIBUTIONS FROM AUTOMATED DUST CORRECTION AT 3.6 $\frac{1}{4}$ m. <i>Astrophysical Journal, Supplement Series</i> , 2015, 219, 5.	7.7	177
6	PHANGS ALMA: Arcsecond CO(2 \rightarrow 1) Imaging of Nearby Star-forming Galaxies. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 43.	7.7	161
7	Cloud-scale ISM Structure and Star Formation in M51. <i>Astrophysical Journal</i> , 2017, 846, 71.	4.5	119
8	THE <i>SPITZER</i> SURVEY OF STELLAR STRUCTURE IN GALAXIES (S ⁴ G): STELLAR MASSES, SIZES, AND RADIAL PROFILES FOR 2352 NEARBY GALAXIES. <i>Astrophysical Journal, Supplement Series</i> , 2015, 219, 3.	7.7	111
9	Distances to PHANGS galaxies: New tip of the red giant branch measurements and adopted distances. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 3621-3639.	4.4	106
10	Star Formation Efficiency per Free-fall Time in nearby Galaxies. <i>Astrophysical Journal Letters</i> , 2018, 861, L18.	8.3	97
11	The PHANGS-MUSE survey. <i>Astronomy and Astrophysics</i> , 2022, 659, A191.	5.1	96
12	A PORTRAIT OF COLD GAS IN GALAXIES AT 60 pc RESOLUTION AND A SIMPLE METHOD TO TEST HYPOTHESES THAT LINK SMALL-SCALE ISM STRUCTURE TO GALAXY-SCALE PROCESSES. <i>Astrophysical Journal</i> , 2016, 831, 16.	4.5	92
13	Dynamical Equilibrium in the Molecular ISM in 28 Nearby Star-forming Galaxies. <i>Astrophysical Journal</i> , 2020, 892, 148.	4.5	88
14	Molecular Gas Properties on Cloud Scales across the Local Star-forming Galaxy Population. <i>Astrophysical Journal Letters</i> , 2020, 901, L8.	8.3	85
15	PHANGS ALMA Data Processing and Pipeline. <i>Astrophysical Journal, Supplement Series</i> , 2021, 255, 19.	7.7	79
16	SHORT GMC LIFETIMES: AN OBSERVATIONAL ESTIMATE WITH THE PdBI ARCSECOND WHIRLPOOL SURVEY (PAWS). <i>Astrophysical Journal</i> , 2015, 806, 72.	4.5	77
17	PHANGS CO Kinematics: Disk Orientations and Rotation Curves at 150 pc Resolution. <i>Astrophysical Journal</i> , 2020, 897, 122.	4.5	77
18	Giant molecular cloud catalogues for PHANGS-ALMA: methods and initial results. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 1218-1245.	4.4	75

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19	Time Inference with MUSE in Extragalactic Rings (TIMER): properties of the survey and high-level data products. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 506-529.	4.4	72
20	A Model for the Onset of Self-gravitation and Star Formation in Molecular Gas Governed by Galactic Forces. I. Cloud-scale Gas Motions. <i>Astrophysical Journal</i> , 2018, 854, 100.	4.5	67
21	Interacting galaxies in the nearby Universe: only moderate increase of star formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 1742-1750.	4.4	65
22	Pre-supernova feedback mechanisms drive the destruction of molecular clouds in nearby star-forming disc galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 272-288.	4.4	65
23	On the duration of the embedded phase of star formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 487-509.	4.4	61
24	The PHANGS-HST Survey: Physics at High Angular Resolution in Nearby Galaxies with the Hubble Space Telescope. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 10.	7.7	58
25	The Gas Star Formation Cycle in Nearby Star-forming Galaxies. I. Assessment of Multi-scale Variations. <i>Astrophysical Journal</i> , 2019, 887, 49.	4.5	57
26	Formation of S0 galaxies through mergers. <i>Astronomy and Astrophysics</i> , 2014, 570, A103.	5.1	53
27	Stellar structures, molecular gas, and star formation across the PHANGS sample of nearby galaxies. <i>Astronomy and Astrophysics</i> , 2021, 656, A133.	5.1	53
28	Kinematic signatures of nuclear discs and bar-driven secular evolution in nearby galaxies of the MUSE TIMER project. <i>Astronomy and Astrophysics</i> , 2020, 643, A14.	5.1	49
29	The PdBI Arcsecond Whirlpool Survey (PAWS): The Role of Spiral Arms in Cloud and Star Formation. <i>Astrophysical Journal</i> , 2017, 836, 62.	4.5	47
30	Dense gas is not enough: environmental variations in the star formation efficiency of dense molecular gas at 100 pc scales in M 51. <i>Astronomy and Astrophysics</i> , 2019, 625, A19.	5.1	47
31	Low-J CO Line Ratios from Single-dish CO Mapping Surveys and PHANGS-ALMA. <i>Astrophysical Journal</i> , 2022, 927, 149.	4.5	46
32	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
33	Formation of S0 galaxies through mergers. <i>Astronomy and Astrophysics</i> , 2017, 604, A105.	5.1	41
34	BEING WISE. I. VALIDATING STELLAR POPULATION MODELS AND M _{star} /L RATIOS AT 3.4 and 4.6 μ m. <i>Astrophysical Journal</i> , 2014, 797, 55.	4.5	36
35	The headlight cloud in NGC 628: An extreme giant molecular cloud in a typical galaxy disk. <i>Astronomy and Astrophysics</i> , 2020, 634, A121.	5.1	32
36	Molecular Cloud Populations in the Context of Their Host Galaxy Environments: A Multiwavelength Perspective. <i>Astronomical Journal</i> , 2022, 164, 43.	4.7	31

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37	Do Spectroscopic Dense Gas Fractions Track Molecular Cloud Surface Densities?. <i>Astrophysical Journal Letters</i> , 2018, 868, L38.	8.3	27
38	A Model for the Onset of Self-gravitation and Star Formation in Molecular Gas Governed by Galactic Forces. II. The Bottleneck to Collapse Set by Cloudâ€“Environment Decoupling. <i>Astrophysical Journal</i> , 2020, 892, 73.	4.5	27
39	H \pm kinematics of S⁴C spiral galaxies â€“ III. Inner rotation curves. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 1199-1213.	4.4	25
40	Evolution induced by dry minor mergers onto fast-rotator S0 galaxies. <i>Astronomy and Astrophysics</i> , 2014, 565, A31.	5.1	24
41	Applying the Tremaineâ€“Weinberg Method to Nearby Galaxies: Stellar-mass-based Pattern Speeds and Comparisons with ISM Kinematics. <i>Astronomical Journal</i> , 2021, 161, 185.	4.7	23
42	The 2D metallicity distribution and mixing scales of nearby galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 1303-1322.	4.4	22
43	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
44	Frequency and nature of central molecular outflows in nearby star-forming disk galaxies. <i>Astronomy and Astrophysics</i> , 2021, 653, A172.	5.1	19
45	The Gasâ€“Star Formation Cycle in Nearby Star-forming Galaxies. II. Resolved Distributions of CO and H \pm Emission for 49 PHANGS Galaxies. <i>Astrophysical Journal</i> , 2022, 927, 9.	4.5	19
46	Clues to the Formation of Spiral Structure in M51 from the Ages and Locations of Star Clusters. <i>Astrophysical Journal</i> , 2017, 845, 78.	4.5	16
47	Two Orders of Magnitude Variation in the Star Formation Efficiency across the Premerger Galaxy NGC 2276. <i>Astrophysical Journal Letters</i> , 2018, 869, L38.	8.3	16
48	Survival of molecular gas in a stellar feedback-driven outflow witnessed with the MUSE TIMER project and ALMA. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 3904-3928.	4.4	15
49	The Organization of Cloud-scale Gas Density Structure: High-resolution CO versus 3.6 $\hat{1}$ / $\hat{4}$ m Brightness Contrasts in Nearby Galaxies. <i>Astrophysical Journal</i> , 2021, 913, 113.	4.5	10
50	ALMA resolves giant molecular clouds in a tidal dwarf galaxy. <i>Astronomy and Astrophysics</i> , 2021, 645, A97.	5.1	10
51	A CO isotopologue Line Atlas within the Whirlpool galaxy Survey (CLAWS). <i>Astronomy and Astrophysics</i> , 2022, 662, A89.	5.1	9
52	Pa $\hat{2}$, H $\hat{1}$ \pm , and Attenuation in NGC 5194 and NGC 6946. <i>Astrophysical Journal</i> , 2020, 892, 23.	4.5	8
53	Galaxies within galaxies in the TIMER survey: stellar populations of inner bars are scaled replicas of main bars. <i>Astronomy and Astrophysics</i> , 2021, 646, A42.	5.1	8
54	Creating S0s with Major Mergers: A 3D View. <i>Galaxies</i> , 2015, 3, 202-211.	3.0	2

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55	Interactions, Starbursts, and Star Formation. <i>Galaxies</i> , 2015, 3, 220-226.	3.0	2
56	Creating lenticular galaxies with mergers. <i>Proceedings of the International Astronomical Union</i> , 2016, 11, 114-116.	0.0	1
57	Stellar Mass Maps for S4G. <i>Proceedings of the International Astronomical Union</i> , 2014, 10, 337-337.	0.0	0
58	Interactions and star formation. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, 236-239.	0.0	0