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 g-index
58 all docs	58 docs citations	58 times ranked	2224 citing authors

#	Article	IF	Citations
1	The PHANGS-MUSE survey. Astronomy and Astrophysics, 2022, 659, A191.	5.1	96
2	A CO isotopologue Line Atlas within the Whirlpool galaxy Survey (CLAWS). Astronomy and Astrophysics, 2022, 662, A89.	5.1	9
3	The PHANGS-HST Survey: Physics at High Angular Resolution in Nearby Galaxies with the Hubble Space Telescope. Astrophysical Journal, Supplement Series, 2022, 258, 10.	7.7	58
4	The Gasâ€“Star Formation Cycle in Nearby Star-forming Galaxies. II. Resolved Distributions of CO and HÎ± Emission for 49 PHANGS Galaxies. Astrophysical Journal, 2022, 927, 9.	4.5	19
5	Low-J CO Line Ratios from Single-dish CO Mapping Surveys and PHANGS-ALMA. Astrophysical Journal, 2022, 927, 149.	4.5	46
6	Molecular Cloud Populations in the Context of Their Host Galaxy Environments: A Multiwavelength Perspective. Astronomical Journal, 2022, 164, 43.	4.7	31
7	Distances to PHANGS galaxies: New tip of the red giant branch measurements and adopted distances. Monthly Notices of the Royal Astronomical Society, 2021, 501, 3621-3639.	4.4	106
8	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
9	On the duration of the embedded phase of star formation. Monthly Notices of the Royal Astronomical Society, 2021, 504, 487-509.	4.4	61
10	Applying the Tremaineâ€“Weinberg Method to Nearby Galaxies: Stellar-mass-based Pattern Speeds and Comparisons with ISM Kinematics. Astronomical Journal, 2021, 161, 185.	4.7	23
11	The Organization of Cloud-scale Gas Density Structure: High-resolution CO versus 3.6 Î¼m Brightness Contrasts in Nearby Galaxies. Astrophysical Journal, 2021, 913, 113.	4.5	10
12	PHANGSâ€“ALMA Data Processing and Pipeline. Astrophysical Journal, Supplement Series, 2021, 255, 19.	7.7	79
13	Stellar structures, molecular gas, and star formation across the PHANGS sample of nearby galaxies. Astronomy and Astrophysics, 2021, 656, A133.	5.1	53
14	Frequency and nature of central molecular outflows in nearby star-forming disk galaxies. Astronomy and Astrophysics, 2021, 653, A172.	5.1	19
15	ALMA resolves giant molecular clouds in a tidal dwarf galaxy. Astronomy and Astrophysics, 2021, 645, A97.	5.1	10
16	Giant molecular cloud catalogues for PHANGS-ALMA: methods and initial results. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1218-1245.	4.4	75
17	The 2D metallicity distribution and mixing scales of nearby galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 509, 1303-1322.	4.4	22
18	Pre-supernova feedback mechanisms drive the destruction of molecular clouds in nearby star-forming disc galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 509, 272-288.	4.4	65

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19	PHANGSâ€“ALMA: Arcsecond CO(2â€“1) Imaging of Nearby Star-forming Galaxies. Astrophysical Journal, Supplement Series, 2021, 257, 43.	7.7	161
20	The lifecycle of molecular clouds in nearby star-forming disc galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 493, 2872-2909.	4.4	178
21	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. Astrophysical Journal, 2020, 892, 73.	4.5	27
22	The headlight cloud in NGC 628: An extreme giant molecular cloud in a typical galaxy disk. Astronomy and Astrophysics, 2020, 634, A121.	5.1	32
23	PaÎ², HÎ±, and Attenuation in NGC 5194 and NGC 6946. Astrophysical Journal, 2020, 892, 23.	4.5	8
24	Dynamical Equilibrium in the Molecular ISM in 28 Nearby Star-forming Galaxies. Astrophysical Journal, 2020, 892, 148.	4.5	88
25	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
26	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
27	PHANGS CO Kinematics: Disk Orientations and Rotation Curves at 150 pc Resolution. Astrophysical Journal, 2020, 897, 122.	4.5	77
28	Molecular Gas Properties on Cloud Scales across the Local Star-forming Galaxy Population. Astrophysical Journal Letters, 2020, 901, L8.	8.3	85
29	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
30	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
31	Dense gas is not enough: environmental variations in the star formation efficiency of dense molecular gas at 100 pc scales in M 51. Astronomy and Astrophysics, 2019, 625, A19.	5.1	47
32	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
33	The Gasâ€“Star Formation Cycle in Nearby Star-forming Galaxies. I. Assessment of Multi-scale Variations. Astrophysical Journal, 2019, 887, 49.	4.5	57
34	A Model for the Onset of Self-gravitation and Star Formation in Molecular Gas Governed by Galactic Forces. I. Cloud-scale Gas Motions. Astrophysical Journal, 2018, 854, 100.	4.5	67
35	Two Orders of Magnitude Variation in the Star Formation Efficiency across the Premerger Galaxy NGC 2276. Astrophysical Journal Letters, 2018, 869, L38.	8.3	16
36	Do Spectroscopic Dense Gas Fractions Track Molecular Cloud Surface Densities?. Astrophysical Journal Letters, 2018, 868, L38.	8.3	27

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37	Cloud-scale Molecular Gas Properties in 15 Nearby Galaxies. Astrophysical Journal, 2018, 860, 172.	4.5	182
38	Star Formation Efficiency per Free-fall Time in nearby Galaxies. Astrophysical Journal Letters, 2018, 861, L18.	8.3	97
39	The PdBI Arcsecond Whirlpool Survey (PAWS): The Role of Spiral Arms in Cloud and Star Formation. Astrophysical Journal, 2017, 836, 62.	4.5	47
40	Formation of S0 galaxies through mergers. Astronomy and Astrophysics, 2017, 604, A105.	5.1	41
41	Clues to the Formation of Spiral Structure in M51 from the Ages and Locations of Star Clusters. Astrophysical Journal, 2017, 845, 78.	4.5	16
42	Cloud-scale ISM Structure and Star Formation in M51. Astrophysical Journal, 2017, 846, 71.	4.5	119
43	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. Astrophysical Journal, 2016, 831, 16.	4.5	92
44	Creating lenticular galaxies with mergers. Proceedings of the International Astronomical Union, 2016, 11, 114-116.	0.0	1
45	HÎ± kinematics of S⁴G spiral galaxies â€“ III. Inner rotation curves. Monthly Notices of the Royal Astronomical Society, 2016, 458, 1199-1213.	4.4	25
46	Creating S0s with Major Mergers: A 3D View. Galaxies, 2015, 3, 202-211.	3.0	2
47	Interactions, Starbursts, and Star Formation. Galaxies, 2015, 3, 220-226.	3.0	2
48	Interactions and star formation. Proceedings of the International Astronomical Union, 2015, 11, 236-239.	0.0	0
49	Interacting galaxies in the nearby Universe: only moderate increase of star formation. Monthly Notices of the Royal Astronomical Society, 2015, 454, 1742-1750.	4.4	65
50	THE SPITZER SURVEY OF STELLAR STRUCTURE IN GALAXIES (S ⁴ G): MULTI-COMPONENT DECOMPOSITION STRATEGIES AND DATA RELEASE. Astrophysical Journal, Supplement Series, 2015, 219, 4.	7.7	202
51	SHORT GMC LIFETIMES: AN OBSERVATIONAL ESTIMATE WITH THE PdBI ARCSECOND WHIRLPOOL SURVEY (PAWS). Astrophysical Journal, 2015, 806, 72.	4.5	77
52	THE SPITZER SURVEY OF STELLAR STRUCTURE IN GALAXIES (S ⁴ G): PRECISE STELLAR MASS DISTRIBUTIONS FROM AUTOMATED DUST CORRECTION AT 3.6 Î¼ m. Astrophysical Journal, Supplement Series, 2015, 219, 5.	7.7	177
53	THE SPITZER SURVEY OF STELLAR STRUCTURE IN GALAXIES (S ⁴ G): STELLAR MASSES, SIZES, AND RADIAL PROFILES FOR 2352 NEARBY GALAXIES. Astrophysical Journal, Supplement Series, 2015, 219, 3.	7.7	111
54	Evolution induced by dry minor mergers onto fast-rotator S0 galaxies. Astronomy and Astrophysics, 2014, 565, A31.	5.1	24

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55	BEINGWISE. I. VALIDATING STELLAR POPULATION MODELS ANDM_{â†}/LRATIOS AT 3.4 and 4.6 Î¼m. Astrophysical Journal, 2014, 797, 55.	4.5	36
56	Formation of S0 galaxies through mergers. Astronomy and Astrophysics, 2014, 570, A103.	5.1	53
57	RECONSTRUCTING THE STELLAR MASS DISTRIBUTIONS OF GALAXIES USING S⁴G IRAC 3.6 AND 4.5 Î¼m IMAGES. II. THE CONVERSION FROM LIGHT TO MASS. Astrophysical Journal, 2014, 788, 144.	4.5	199
58	Stellar Mass Maps for S4G. Proceedings of the International Astronomical Union, 2014, 10, 337-337.	0.0	0