

Julia Roman-Duval

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,812
citations

331670

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42
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docs citations

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times ranked

2011
citing authors

#	ARTICLE	IF	CITATIONS
1	PHYSICAL PROPERTIES AND GALACTIC DISTRIBUTION OF MOLECULAR CLOUDS IDENTIFIED IN THE GALACTIC RING SURVEY. <i>Astrophysical Journal</i> , 2010, 723, 492-507.	4.5	318
2	KINEMATIC DISTANCES TO MOLECULAR CLOUDS IDENTIFIED IN THE GALACTIC RING SURVEY. <i>Astrophysical Journal</i> , 2009, 699, 1153-1170.	4.5	186
3	THE STATE OF THE GAS AND THE RELATION BETWEEN GAS AND STAR FORMATION AT LOW METALLICITY: THE SMALL MAGELLANIC CLOUD. <i>Astrophysical Journal</i> , 2011, 741, 12.	4.5	178
4	DUST AND GAS IN THE MAGELLANIC CLOUDS FROM THE HERITAGE <i>HERSCHEL</i> KEY PROJECT. I. DUST PROPERTIES AND INSIGHTS INTO THE ORIGIN OF THE SUBMILLIMETER EXCESS EMISSION. <i>Astrophysical Journal</i> , 2014, 797, 85.	4.5	125
5	DUST AND GAS IN THE MAGELLANIC CLOUDS FROM THE HERITAGE <i>HERSCHEL</i> KEY PROJECT. II. GAS-TO-DUST RATIO VARIATIONS ACROSS INTERSTELLAR MEDIUM PHASES. <i>Astrophysical Journal</i> , 2014, 797, 86.	4.5	112
6	THE TURBULENCE SPECTRUM OF MOLECULAR CLOUDS IN THE GALACTIC RING SURVEY: A DENSITY-DEPENDENT PRINCIPAL COMPONENT ANALYSIS CALIBRATION. <i>Astrophysical Journal</i> , 2011, 740, 120.	4.5	89
7	DUST DESTRUCTION RATES AND LIFETIMES IN THE MAGELLANIC CLOUDS. <i>Astrophysical Journal</i> , 2015, 799, 158.	4.5	62
8	DISTRIBUTION AND MASS OF DIFFUSE AND DENSE CO GAS IN THE MILKY WAY. <i>Astrophysical Journal</i> , 2016, 818, 144.	4.5	62
9	THE INFLUENCE OF SUPERNOVA REMNANTS ON THE INTERSTELLAR MEDIUM IN THE LARGE MAGELLANIC CLOUD SEEN AT 20-600 μ m WAVELENGTHS. <i>Astrophysical Journal</i> , 2015, 799, 50.	4.5	59
10	THE RELATIONSHIP BETWEEN MOLECULAR GAS, H i, AND STAR FORMATION IN THE LOW-MASS, LOW-METALLICITY MAGELLANIC CLOUDS. <i>Astrophysical Journal</i> , 2016, 825, 12.	4.5	58
11	<i>HERSCHEL</i> KEY PROGRAM HERITAGE: A FAR-INFRARED SOURCE CATALOG FOR THE MAGELLANIC CLOUDS. <i>Astronomical Journal</i> , 2014, 148, 124.	4.7	56
12	DUST-TO-GAS RATIO IN THE EXTREMELY METAL-POOR GALAXY I Zw 18. <i>Astrophysical Journal</i> , 2012, 752, 112.	4.5	39
13	What Sets the Massive Star Formation Rates and Efficiencies of Giant Molecular Clouds?. <i>Astrophysical Journal</i> , 2017, 841, 109.	4.5	38
14	THE SPATIAL DISTRIBUTION OF DUST AND STELLAR EMISSION OF THE MAGELLANIC CLOUDS. <i>Astrophysical Journal</i> , 2012, 761, 42.	4.5	36
15	First Results from the Herschel and ALMA Spectroscopic Surveys of the SMC: The Relationship between [C ii]-bright Gas and CO-bright Gas at Low Metallicity*. <i>Astrophysical Journal</i> , 2018, 853, 111.	4.5	35
16	Dust Abundance Variations in the Magellanic Clouds: Probing the Life-cycle of Metals with All-sky Surveys. <i>Astrophysical Journal</i> , 2017, 841, 72.	4.5	31
17	Modeling dust emission in the Magellanic Clouds with <i>Spitzer</i> and <i>Herschel</i> . <i>Astronomy and Astrophysics</i> , 2017, 601, A55.	5.1	30
18	METAL: The Metal Evolution, Transport, and Abundance in the Large Magellanic Cloud Hubble Program. I. Overview and Initial Results. <i>Astrophysical Journal</i> , 2019, 871, 151.	4.5	27

#	ARTICLE	IF	CITATIONS
19	PDRs4All: A JWST Early Release Science Program on Radiative Feedback from Massive Stars. Publications of the Astronomical Society of the Pacific, 2022, 134, 054301.	3.1	26
20	ALMA Observations of a Quiescent Molecular Cloud in the Large Magellanic Cloud. Astrophysical Journal, 2017, 850, 139.	4.5	25
21	Relations between Molecular Cloud Structure Sizes and Line Widths in the Large Magellanic Cloud. Astrophysical Journal, 2019, 885, 50.	4.5	24
22	METAL: The Metal Evolution, Transport, and Abundance in the Large Magellanic Cloud Hubble Program. II. Variations of Interstellar Depletions and Dust-to-gas Ratio within the LMC. Astrophysical Journal, 2021, 910, 95.	4.5	21
23	Extragalactic Magnetism with SOFIA (Legacy Program). I. The Magnetic Field in the Multiphase Interstellar Medium of M51 [*] . Astrophysical Journal, 2021, 921, 128.	4.5	21
24	THE DUSTIEST POST-MAIN SEQUENCE STARS IN THE MAGELLANIC CLOUDS. Astrophysical Journal, 2015, 811, 145.	4.5	20
25	The Small Magellanic Cloud Investigation of Dust and Gas Evolution (SMIDGE): The Dust Extinction Curve from Red Clump Stars. Astrophysical Journal, 2017, 847, 102.	4.5	20
26	The 30 Doradus Molecular Cloud at 0.4 pc Resolution with the Atacama Large Millimeter/submillimeter Array: Physical Properties and the Boundedness of CO-emitting Structures. Astrophysical Journal, 2022, 932, 47.	4.5	15
27	THE LOCATION, CLUSTERING, AND PROPAGATION OF MASSIVE STAR FORMATION IN GIANT MOLECULAR CLOUDS. Astrophysical Journal, 2016, 832, 43.	4.5	13
28	Ultraviolet Legacy Library of Young Stars as Essential Standards (ULLYSES): Data Release I. Research Notes of the AAS, 2020, 4, 205.	0.7	13
29	Principal component analysis of molecular clouds: can CO reveal the dynamics?. Monthly Notices of the Royal Astronomical Society, 2014, 440, 465-475.	4.4	12
30	Evidence of Dust Grain Evolution from Extinction Mapping in the IC 63 Photodissociation Region*. Astrophysical Journal, 2020, 888, 22.	4.5	11
31	METAL: The Metal Evolution, Transport, and Abundance in the Large Magellanic Cloud Hubble Program. III. Interstellar Depletions, Dust-to-Metal, and Dust-to-Gas Ratios versus Metallicity. Astrophysical Journal, 2022, 928, 90.	4.5	9
32	THE FIRST DISTANCE CONSTRAINT ON THE RENEGADE HIGH-VELOCITY CLOUD COMPLEX WD. Astrophysical Journal Letters, 2016, 828, L20.	8.3	7
33	Dust Emission at 8 and 24 μ m as Diagnostics of H ii Region Radiative Transfer. Astrophysical Journal, 2017, 844, 63.	4.5	7
34	Three-dimensional Structure and Dust Extinction in the Small Magellanic Cloud. Astrophysical Journal, 2021, 907, 50.	4.5	7
35	Simultaneously modelling far-infrared dust emission and its relation to CO emission in star-forming galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 460, 67-81.	4.4	5
36	The Quest for the Missing Dust. I. Restoring Large-scale Emission in Herschel Maps of Local Group Galaxies. Astrophysical Journal, 2021, 921, 35.	4.5	5

#	ARTICLE	IF	CITATIONS
37	Close Companions to the T Tauri Stars CVSO 109 and CVSO 165 Observed by the HST ULLYSES Program. Research Notes of the AAS, 2021, 5, 36.	0.7	4
38	Correcting for errors due to walk and geometric distortion in the COS FUV detector. , 2016, , .		1
39	Characterization, modeling, and management of the COS FUV detector lifetime. , 2013, , .		0
40	Characterizing, controlling, and correcting distortions in the COS FUV detector. Proceedings of SPIE, 2015, , .	0.8	0
41	Lucky Star: Confirming the Distance to USNO-A0600-15865535 and High-velocity Cloud Complex WD. Research Notes of the AAS, 2018, 2, 59.	0.7	0