

# 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

21  
h-index

315739

38  
g-index

42  
all docs

42  
docs citations

42  
times ranked

2011  
citing authors

#	ARTICLE	IF	CITATIONS
1	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. <i>Astrophysical Journal</i> , 2022, 928, 90.	4.5	9
2	PDRs4All: A JWST Early Release Science Program on Radiative Feedback from Massive Stars. <i>Publications of the Astronomical Society of the Pacific</i> , 2022, 134, 054301.	3.1	26
3	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. <i>Astrophysical Journal</i> , 2022, 932, 47.	4.5	15
4	Close Companions to the T Tauri Stars CVSO 109 and CVSO 165 Observed by the HST ULLYSES Program. <i>Research Notes of the AAS</i> , 2021, 5, 36.	0.7	4
5	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. <i>Astrophysical Journal</i> , 2021, 910, 95.	4.5	21
6	Three-dimensional Structure and Dust Extinction in the Small Magellanic Cloud. <i>Astrophysical Journal</i> , 2021, 907, 50.	4.5	7
7	The Quest for the Missing Dust. I. Restoring Large-scale Emission in Herschel Maps of Local Group Galaxies. <i>Astrophysical Journal</i> , 2021, 921, 35.	4.5	5
8	Extragalactic Magnetism with SOFIA (Legacy Program). I. The Magnetic Field in the Multiphase Interstellar Medium of M51 <sup>*</sup> . <i>Astrophysical Journal</i> , 2021, 921, 128.	4.5	21
9	Evidence of Dust Grain Evolution from Extinction Mapping in the IC 63 Photodissociation Region <sup>*</sup> . <i>Astrophysical Journal</i> , 2020, 888, 22.	4.5	11
10	Ultraviolet Legacy Library of Young Stars as Essential Standards (ULLYSES): Data Release I. <i>Research Notes of the AAS</i> , 2020, 4, 205.	0.7	13
11	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
12	Relations between Molecular Cloud Structure Sizes and Line Widths in the Large Magellanic Cloud. <i>Astrophysical Journal</i> , 2019, 885, 50.	4.5	24
13	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 <sup>*</sup> . <i>Astrophysical Journal</i> , 2018, 853, 111.	4.5	35
14	Lucky Star: Confirming the Distance to USNO-A0600-15865535 and High-velocity Cloud Complex WD. <i>Research Notes of the AAS</i> , 2018, 2, 59.	0.7	0
15	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
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	What Sets the Massive Star Formation Rates and Efficiencies of Giant Molecular Clouds?. <i>Astrophysical Journal</i> , 2017, 841, 109.	4.5	38
18	Dust Emission at 8 and 24 $\mu$ m as Diagnostics of H ii Region Radiative Transfer. <i>Astrophysical Journal</i> , 2017, 844, 63.	4.5	7

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19	The Small Magellanic Cloud Investigation of Dust and Gas Evolution (SMIDGE): The Dust Extinction Curve from Red Clump Stars. <i>Astrophysical Journal</i> , 2017, 847, 102.	4.5	20
20	ALMA Observations of a Quiescent Molecular Cloud in the Large Magellanic Cloud. <i>Astrophysical Journal</i> , 2017, 850, 139.	4.5	25
21	THE FIRST DISTANCE CONSTRAINT ON THE RENEGADE HIGH-VELOCITY CLOUD COMPLEX WD. <i>Astrophysical Journal Letters</i> , 2016, 828, L20.	8.3	7
22	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
23	THE LOCATION, CLUSTERING, AND PROPAGATION OF MASSIVE STAR FORMATION IN GIANT MOLECULAR CLOUDS. <i>Astrophysical Journal</i> , 2016, 832, 43.	4.5	13
24	Simultaneously modelling far-infrared dust emission and its relation to CO emission in star-forming galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 67-81.	4.4	5
25	DISTRIBUTION AND MASS OF DIFFUSE AND DENSE CO GAS IN THE MILKY WAY. <i>Astrophysical Journal</i> , 2016, 818, 144.	4.5	62
26	Correcting for errors due to walk and geometric distortion in the COS FUV detector. , 2016, , .		1
27	Characterizing, controlling, and correcting distortions in the COS FUV detector. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
28	THE DUSTIEST POST-MAIN SEQUENCE STARS IN THE MAGELLANIC CLOUDS. <i>Astrophysical Journal</i> , 2015, 811, 145.	4.5	20
29	DUST DESTRUCTION RATES AND LIFETIMES IN THE MAGELLANIC CLOUDS. <i>Astrophysical Journal</i> , 2015, 799, 158.	4.5	62
30	THE INFLUENCE OF SUPERNOVA REMNANTS ON THE INTERSTELLAR MEDIUM IN THE LARGE MAGELLANIC CLOUD SEEN AT 20-600 $\mu$ m WAVELENGTHS. <i>Astrophysical Journal</i> , 2015, 799, 50.	4.5	59
31	<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
32	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
33	Principal component analysis of molecular clouds: can CO reveal the dynamics?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 440, 465-475.	4.4	12
34	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
35	Characterization, modeling, and management of the COS FUV detector lifetime. , 2013, , .		0
36	DUST-TO-GAS RATIO IN THE EXTREMELY METAL-POOR GALAXY I Zw 18. <i>Astrophysical Journal</i> , 2012, 752, 112.	4.5	39

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37	THE SPATIAL DISTRIBUTION OF DUST AND STELLAR EMISSION OF THE MAGELLANIC CLOUDS. <i>Astrophysical Journal</i> , 2012, 761, 42.	4.5	36
38	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
39	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
40	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
41	KINEMATIC DISTANCES TO MOLECULAR CLOUDS IDENTIFIED IN THE GALACTIC RING SURVEY. <i>Astrophysical Journal</i> , 2009, 699, 1153-1170.	4.5	186