

# Susana Lizano

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/3477865/susana-lizano-publications-by-citations.pdf>

**Version:** 2024-04-29

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

75  
papers

6,836  
citations

29  
h-index

80  
g-index

80  
ext. papers

7,175  
ext. citations

6  
avg, IF

5.38  
L-index

#	Paper	IF	Citations
75	Star Formation in Molecular Clouds: Observation and Theory. <i>Annual Review of Astronomy and Astrophysics</i> , <b>1987</b> , 25, 23-81	31.7	1792
74	Magnetocentrifugally driven flows from young stars and disks. 1: A generalized model. <i>Astrophysical Journal</i> , <b>1994</b> , 429, 781	4.7	991
73	Photoevaporation of disks around massive stars and application to ultracompact H II regions. <i>Astrophysical Journal</i> , <b>1994</b> , 428, 654	4.7	448
72	Accretion Disks around Young Objects. I. The Detailed Vertical Structure. <i>Astrophysical Journal</i> , <b>1998</b> , 500, 411-427	4.7	438
71	Accretion Disks around Young Objects. II. Tests of Well-mixed Models with ISM Dust. <i>Astrophysical Journal</i> , <b>1999</b> , 527, 893-909	4.7	372
70	Massive Stars: Their Environment and Formation. <i>Publications of the Astronomical Society of the Pacific</i> , <b>1999</b> , 111, 1049-1087	5	279
69	Molecular cloud cores and bimodal star formation. <i>Astrophysical Journal</i> , <b>1989</b> , 342, 834	4.7	195
68	Compact protoplanetary disks around the stars of a young binary system. <i>Nature</i> , <b>1998</b> , 395, 355-357	50.4	164
67	Star formation and the nature of bipolar outflows. <i>Astrophysical Journal</i> , <b>1991</b> , 370, L31	4.7	159
66	Mass loss from rapidly rotating magnetic protostars. <i>Astrophysical Journal</i> , <b>1988</b> , 328, L19	4.7	153
65	Heating and Ionization of X-Winds. <i>Astrophysical Journal</i> , <b>2002</b> , 564, 853-876	4.7	140
64	Magnetocentrifugally driven flows from young stars and disks. 2: Formulation of the dynamical problem. <i>Astrophysical Journal</i> , <b>1994</b> , 429, 797	4.7	132
63	Gravitational Collapse of Magnetized Clouds. I. Ideal Magnetohydrodynamic Accretion Flow. <i>Astrophysical Journal</i> , <b>2006</b> , 647, 374-381	4.7	118
62	Hot Molecular Cores and the Formation of Massive Stars. <i>Astrophysical Journal</i> , <b>1999</b> , 525, 808-820	4.7	105
61	Proper Motions of the BN Object and the Radio Source I in Orion: Where and When Did the BN Object Become a Runaway Star?. <i>Astrophysical Journal</i> , <b>2005</b> , 627, L65-L68	4.7	90
60	Monitoring the Large Proper Motions of Radio Sources in the Orion BN/KL Region. <i>Astrophysical Journal</i> , <b>2008</b> , 685, 333-343	4.7	82
59	Dynamical Decay of a Massive Multiple System in Orion KL?. <i>Astrophysical Journal</i> , <b>2005</b> , 635, 1166-1172	4.7	79

58	Self-similar Champagne Flows in HiiRegions. <i>Astrophysical Journal</i> , <b>2002</b> , 580, 969-979	4-7	77
57	Gravitational Collapse of Magnetized Clouds. II. The Role of Ohmic Dissipation. <i>Astrophysical Journal</i> , <b>2006</b> , 647, 382-389	4-7	70
56	Mean Field Magnetohydrodynamics of Accretion Disks. <i>Astrophysical Journal</i> , <b>2007</b> , 665, 535-553	4-7	61
55	Photoevaporated Disks around Massive Young Stars. <i>Astrophysical Journal</i> , <b>2004</b> , 614, 807-817	4-7	51
54	Singular Isothermal Disks. I. Linear Stability Analysis. <i>Astrophysical Journal</i> , <b>2000</b> , 535, 190-210	4-7	41
53	COLLAPSING HOT MOLECULAR CORES: A MODEL FOR THE DUST SPECTRUM AND AMMONIA LINE EMISSION OF THE G31.41+0.31 HOT CORE. <i>Astrophysical Journal</i> , <b>2009</b> , 694, 29-45	4-7	40
52	Photoevaporated Flows from H II Regions. <i>Astrophysical Journal</i> , <b>1996</b> , 468, 739	4-7	39
51	Dust Concentration and Emission in Protoplanetary Disks Vortices. <i>Astrophysical Journal</i> , <b>2017</b> , 850, 115	4-7	33
50	Does Turbulent Pressure Behave as a Logatropo?. <i>Astrophysical Journal</i> , <b>1998</b> , 492, 596-602	4-7	31
49	Singular Isothermal Disks. II. Nonaxisymmetric Bifurcations and Equilibria. <i>Astrophysical Journal</i> , <b>2001</b> , 551, 367-386	4-7	30
48	The velocity structure of the cometary H II regions G13.87+0.28, G32.80+ 0.19B, and G61,48+0.09B1. <i>Astrophysical Journal</i> , <b>1994</b> , 429, 268	4-7	30
47	THE PROPER MOTIONS OF THE DOUBLE RADIO SOURCE $\eta$ IN THE ORION BN/KL REGION. <i>Astrophysical Journal</i> , <b>2017</b> , 834, 140	4-7	29
46	DECIPHERING THE IONIZED GAS CONTENT IN THE MASSIVE STAR-FORMING COMPLEX G75.78+0.34. <i>Astrophysical Journal</i> , <b>2013</b> , 766, 114	4-7	28
45	On the Thermal Stability of Irradiation-dominated PreMain-Sequence Disks. <i>Astrophysical Journal</i> , <b>1999</b> , 511, 896-903	4-7	28
44	MIGRATION OF EXTRASOLAR PLANETS: EFFECTS FROM X -WIND ACCRETION DISKS. <i>Astrophysical Journal</i> , <b>2009</b> , 702, L182-L186	4-7	27
43	Free-free Radio Emission from Young Stellar Objects. <i>Astrophysical Journal</i> , <b>2004</b> , 612, L69-L72	4-7	27
42	VLA observations of high-velocity H I associated with the Herbig-Haro objects 7-11. <i>Astrophysical Journal</i> , <b>1990</b> , 365, 261	4-7	25
41	IMAGING THE PHOTOEVAPORATING DISK AND RADIO JET OF GM AUR. <i>Astrophysical Journal</i> , <b>2016</b> , 829, 1	4-7	24

40	Early science with the Large Millimetre Telescope: Deep LMT/AzTEC millimetre observations of Eridani and its surroundings. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 462, 2285-2294	4.3	24
39	The Challenge of Sub-Keplerian Rotation for Disk Winds. <i>Astrophysical Journal</i> , <b>2008</b> , 682, L121-L124	4.7	22
38	Warm Molecular Gas Associated with Cometary H II Regions. <i>Astrophysical Journal</i> , <b>1995</b> , 453, 727	4.7	21
37	Spectra and Sizes of Hypercompact HiiRegions. <i>Astrophysical Journal</i> , <b>2006</b> , 641, 406-409	4.7	20
36	A Photodissociated Region Associated with the Compact HiiRegion near GGD 1275. <i>Astrophysical Journal</i> , <b>1998</b> , 503, 297-306	4.7	20
35	KINEMATICS OF THE OUTFLOW FROM THE YOUNG STAR DG TAU B: ROTATION IN THE VICINITIES OF AN OPTICAL JET. <i>Astrophysical Journal</i> , <b>2015</b> , 798, 131	4.7	18
34	Effects of Scattering, Temperature Gradients, and Settling on the Derived Dust Properties of Observed Protoplanetary Disks. <i>Astrophysical Journal</i> , <b>2020</b> , 892, 136	4.7	18
33	On the Effects of Self-obscuration in the (Sub)Millimeter Spectral Indices and the Appearance of Protostellar Disks. <i>Astrophysical Journal</i> , <b>2018</b> , 868, 39	4.7	18
32	Neutral winds from protostars. <i>Astrophysical Journal</i> , <b>1992</b> , 397, 214	4.7	16
31	Thermal Structure of Mixing Layers in Bipolar Outflows. <i>Astrophysical Journal</i> , <b>1995</b> , 447, 742	4.7	15
30	On the Relative Importance of Photoevaporative and Hydrodynamic Effects in the Ablation of Self-gravitating Globules in Compact HiiRegions. <i>Astrophysical Journal</i> , <b>1997</b> , 484, 810-819	4.7	15
29	An Analytical Model of Radial Dust Trapping in Protoplanetary Disks. <i>Astrophysical Journal</i> , <b>2019</b> , 876, 7	4.7	14
28	FOUR HIGHLY LUMINOUS MASSIVE STAR-FORMING REGIONS IN THE NORMA SPIRAL ARM. II. DEEP NEAR-INFRARED IMAGING. <i>Astrophysical Journal</i> , <b>2010</b> , 710, 583-596	4.7	14
27	HYPERCOMPACT H II REGIONS: RESOLVED IMAGES OF G34.26+0.15 A AND B. <i>Astrophysical Journal</i> , <b>2009</b> , 690, 1084-1088	4.7	14
26	Observations of the Ionized, Neutral, and Molecular Components Associated with an Expanding HiiRegion. <i>Astrophysical Journal</i> , <b>2001</b> , 560, 806-820	4.7	14
25	STABILITY OF MAGNETIZED DISKS AND IMPLICATIONS FOR PLANET FORMATION. <i>Astrophysical Journal</i> , <b>2010</b> , 724, 1561-1570	4.7	12
24	VLA Observations of Carbon Radio Recombination Lines toward the HiiRegion Complex S88B. <i>Astrophysical Journal</i> , <b>1998</b> , 501, 699-709	4.7	12
23	Signatures of infall motions in the images of the molecular emission of G31.41+0.31 hot molecular core. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 437, 3766-3775	4.3	11

22	Formation of OB Associations in Galaxies. <i>Astrophysical Journal</i> , <b>2007</b> , 662, L75-L77	4-7	11
21	VLA Observations of Hydrogen and Helium Recombination Lines from Partially and Fully Ionized Gas in S88B. <i>Astrophysical Journal</i> , <b>1998</b> , 501, 710-722	4-7	11
20	Magnetization, accretion, and outflows in young stellar objects. <i>Proceedings of the International Astronomical Union</i> , <b>2007</b> , 3, 249-264	0.1	10
19	Formation and Heating of Molecular Cloud Cores <b>1987</b> , 173-193		10
18	THE COMPACT, TIME-VARIABLE RADIO SOURCE PROJECTED INSIDE W3(OH): EVIDENCE FOR A PHOTOEVAPORATED DISK?. <i>Astrophysical Journal</i> , <b>2013</b> , 772, 151	4-7	9
17	Evolution of HiiRegions inside Hot Molecular Cores. <i>Astrophysical Journal</i> , <b>2005</b> , 621, 359-371	4-7	8
16	Proper Motions of the Radio Source Orion MR, Formerly Known as Orion n, and New Sources with Large Proper Motions in Orion BN/KL. <i>Astrophysical Journal</i> , <b>2020</b> , 892, 82	4-7	7
15	MAGNETIC INTERACTIONS IN PRE-MAIN-SEQUENCE BINARIES. <i>Astrophysical Journal</i> , <b>2011</b> , 743, 175	4-7	7
14	The Evolution of the Inner Regions of Protoplanetary Disks. <i>Astrophysical Journal</i> , <b>2020</b> , 893, 56	4-7	6
13	VERTICAL STRUCTURE OF MAGNETIZED ACCRETION DISKS AROUND YOUNG STARS. <i>Astrophysical Journal</i> , <b>2016</b> , 817, 35	4-7	5
12	Shock dynamics in relativistic jets. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2013</b> , 430, 2703-2714	4-7	5
11	Flat-spectrum Radio Continuum Emission Associated with $\theta$ Eridani. <i>Astrophysical Journal</i> , <b>2019</b> , 871, 172	4-7	4
10	Emission from Magnetized Accretion Disks around Young Stars. <i>Astrophysical Journal</i> , <b>2017</b> , 849, 136	4-7	3
9	RESOLVED RADIO EMISSION FROM MODELS OF PHOTOEVAPORATED DISKS AROUND MASSIVE YOUNG STARS. <i>Astrophysical Journal</i> , <b>2012</b> , 751, 63	4-7	3
8	Angular Momentum in Bipolar Outflows: Dynamical Evolutionary Model. <i>Astrophysical Journal</i> , <b>2019</b> , 879, 42	4-7	2
7	AN EXPANDING H I PHOTODISSOCIATED REGION ASSOCIATED WITH THE COMPACT H II REGION G213.880-1.837 IN THE GGD 14 COMPLEX. <i>Astronomical Journal</i> , <b>2010</b> , 140, 913-918	4-9	2
6	Gravitational Collapse and Disk Formation in Magnetized Cores. <i>Astrophysics and Space Science Library</i> , <b>2015</b> , 459-479	0.3	2
5	Exploring the Grain Properties in the Disk of HL Tau with an Evolutionary Model. <i>Astrophysical Journal</i> , <b>2019</b> , 887, 244	4-7	2

- 4 ALMA Observations and Modeling of the Rotating Outflow in Orion Source I. *Astrophysical Journal*, **2020**, 904, 158 4-7 1
- 3 Modeling the Prompt Optical Emission of GRB 180325A: The Evolution of a Spike from the Optical to Gamma Rays. *Astrophysical Journal*, **2021**, 908, 39 4-7 1
- 2 From Magnetized Cores to Protoplanetary Disks. *Proceedings of the International Astronomical Union*, **2009**, 5, 440-441 0-1
- 1 Environs and Formation of Massive Stars. *Highlights of Astronomy*, **2002**, 12, 161-163