

# Susana Lizano

## List of Publications by Year in Descending Order

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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	Modeling the Prompt Optical Emission of GRB 180325A: The Evolution of a Spike from the Optical to Gamma Rays. <i>Astrophysical Journal</i> , <b>2021</b> , 908, 39	4.7	1
74	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
73	The Evolution of the Inner Regions of Protoplanetary Disks. <i>Astrophysical Journal</i> , <b>2020</b> , 893, 56	4.7	6
72	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
71	ALMA Observations and Modeling of the Rotating Outflow in Orion Source I. <i>Astrophysical Journal</i> , <b>2020</b> , 904, 158	4.7	1
70	An Analytical Model of Radial Dust Trapping in Protoplanetary Disks. <i>Astrophysical Journal</i> , <b>2019</b> , 876, 7	4.7	14
69	Flat-spectrum Radio Continuum Emission Associated with $\theta$ Eridani. <i>Astrophysical Journal</i> , <b>2019</b> , 871, 172	4.7	4
68	Angular Momentum in Bipolar Outflows: Dynamical Evolutionary Model. <i>Astrophysical Journal</i> , <b>2019</b> , 879, 42	4.7	2
67	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
66	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
65	THE PROPER MOTIONS OF THE DOUBLE RADIO SOURCE n IN THE ORION BN/KL REGION. <i>Astrophysical Journal</i> , <b>2017</b> , 834, 140	4.7	29
64	Emission from Magnetized Accretion Disks around Young Stars. <i>Astrophysical Journal</i> , <b>2017</b> , 849, 136	4.7	3
63	Dust Concentration and Emission in Protoplanetary Disks Vortices. <i>Astrophysical Journal</i> , <b>2017</b> , 850, 115	4.7	33
62	IMAGING THE PHOTOEVAPORATING DISK AND RADIO JET OF GM AUR. <i>Astrophysical Journal</i> , <b>2016</b> , 829, 1	4.7	24
61	VERTICAL STRUCTURE OF MAGNETIZED ACCRETION DISKS AROUND YOUNG STARS. <i>Astrophysical Journal</i> , <b>2016</b> , 817, 35	4.7	5
60	Early science with the Large Millimetre Telescope: Deep LMT/AzTEC millimetre observations of $\theta$ Eridani and its surroundings. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 462, 2285-2294	4.3	24
59	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

58	Gravitational Collapse and Disk Formation in Magnetized Cores. <i>Astrophysics and Space Science Library</i> , <b>2015</b> , 459-479	0.3	2
57	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
56	Shock dynamics in relativistic jets. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2013</b> , 430, 2703-2714	4.3	5
55	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
54	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
53	RESOLVED RADIO EMISSION FROM MODELS OF PHOTOEVAPORATED DISKS AROUND MASSIVE YOUNG STARS. <i>Astrophysical Journal</i> , <b>2012</b> , 751, 63	4.7	3
52	MAGNETIC INTERACTIONS IN PRE-MAIN-SEQUENCE BINARIES. <i>Astrophysical Journal</i> , <b>2011</b> , 743, 175	4.7	7
51	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
50	STABILITY OF MAGNETIZED DISKS AND IMPLICATIONS FOR PLANET FORMATION. <i>Astrophysical Journal</i> , <b>2010</b> , 724, 1561-1570	4.7	12
49	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
48	From Magnetized Cores to Protoplanetary Disks. <i>Proceedings of the International Astronomical Union</i> , <b>2009</b> , 5, 440-441	0.1	
47	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
46	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
45	MIGRATION OF EXTRASOLAR PLANETS: EFFECTS FROM X -WIND ACCRETION DISKS. <i>Astrophysical Journal</i> , <b>2009</b> , 702, L182-L186	4.7	27
44	The Challenge of Sub-Keplerian Rotation for Disk Winds. <i>Astrophysical Journal</i> , <b>2008</b> , 682, L121-L124	4.7	22
43	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
42	Formation of OB Associations in Galaxies. <i>Astrophysical Journal</i> , <b>2007</b> , 662, L75-L77	4.7	11
41	Mean Field Magnetohydrodynamics of Accretion Disks. <i>Astrophysical Journal</i> , <b>2007</b> , 665, 535-553	4.7	61

40	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
39	Gravitational Collapse of Magnetized Clouds. I. Ideal Magnetohydrodynamic Accretion Flow. <i>Astrophysical Journal</i> , <b>2006</b> , 647, 374-381	4.7	118
38	Spectra and Sizes of Hypercompact HiiRegions. <i>Astrophysical Journal</i> , <b>2006</b> , 641, 406-409	4.7	20
37	Gravitational Collapse of Magnetized Clouds. II. The Role of Ohmic Dissipation. <i>Astrophysical Journal</i> , <b>2006</b> , 647, 382-389	4.7	70
36	Evolution of HiiRegions inside Hot Molecular Cores. <i>Astrophysical Journal</i> , <b>2005</b> , 621, 359-371	4.7	8
35	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
34	Dynamical Decay of a Massive Multiple System in Orion KL?. <i>Astrophysical Journal</i> , <b>2005</b> , 635, 1166-1172	4.7	79
33	Free-free Radio Emission from Young Stellar Objects. <i>Astrophysical Journal</i> , <b>2004</b> , 612, L69-L72	4.7	27
32	Photoevaporated Disks around Massive Young Stars. <i>Astrophysical Journal</i> , <b>2004</b> , 614, 807-817	4.7	51
31	Environments and Formation of Massive Stars. <i>Highlights of Astronomy</i> , <b>2002</b> , 12, 161-163		
30	Heating and Ionization of X-Winds. <i>Astrophysical Journal</i> , <b>2002</b> , 564, 853-876	4.7	140
29	Self-similar Champagne Flows in HiiRegions. <i>Astrophysical Journal</i> , <b>2002</b> , 580, 969-979	4.7	77
28	Singular Isothermal Disks. II. Nonaxisymmetric Bifurcations and Equilibria. <i>Astrophysical Journal</i> , <b>2001</b> , 551, 367-386	4.7	30
27	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
26	Singular Isothermal Disks. I. Linear Stability Analysis. <i>Astrophysical Journal</i> , <b>2000</b> , 535, 190-210	4.7	41
25	Massive Stars: Their Environment and Formation. <i>Publications of the Astronomical Society of the Pacific</i> , <b>1999</b> , 111, 1049-1087	5	279
24	Hot Molecular Cores and the Formation of Massive Stars. <i>Astrophysical Journal</i> , <b>1999</b> , 525, 808-820	4.7	105
23	On the Thermal Stability of Irradiation-dominated Pre-Main-Sequence Disks. <i>Astrophysical Journal</i> , <b>1999</b> , 511, 896-903	4.7	28

22	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
21	Compact protoplanetary disks around the stars of a young binary system. <i>Nature</i> , <b>1998</b> , 395, 355-357	50.4	164
20	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
19	Accretion Disks around Young Objects. I. The Detailed Vertical Structure. <i>Astrophysical Journal</i> , <b>1998</b> , 500, 411-427	4.7	438
18	Does Turbulent Pressure Behave as a Logatrope?. <i>Astrophysical Journal</i> , <b>1998</b> , 492, 596-602	4.7	31
17	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
16	A Photodissociated Region Associated with the Compact HiiRegion near GGD 1215. <i>Astrophysical Journal</i> , <b>1998</b> , 503, 297-306	4.7	20
15	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
14	Photoevaporated Flows from H II Regions. <i>Astrophysical Journal</i> , <b>1996</b> , 468, 739	4.7	39
13	Thermal Structure of Mixing Layers in Bipolar Outflows. <i>Astrophysical Journal</i> , <b>1995</b> , 447, 742	4.7	15
12	Warm Molecular Gas Associated with Cometary H II Regions. <i>Astrophysical Journal</i> , <b>1995</b> , 453, 727	4.7	21
11	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
10	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
9	Magnetocentrifugally driven flows from young stars and disks. 1: A generalized model. <i>Astrophysical Journal</i> , <b>1994</b> , 429, 781	4.7	991
8	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
7	Neutral winds from protostars. <i>Astrophysical Journal</i> , <b>1992</b> , 397, 214	4.7	16
6	Star formation and the nature of bipolar outflows. <i>Astrophysical Journal</i> , <b>1991</b> , 370, L31	4.7	159
5	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

- 4 Molecular cloud cores and bimodal star formation. *Astrophysical Journal*, **1989**, 342, 834 4.7 195
- 3 Mass loss from rapidly rotating magnetic protostars. *Astrophysical Journal*, **1988**, 328, L19 4.7 153
- 2 Star Formation in Molecular Clouds: Observation and Theory. *Annual Review of Astronomy and Astrophysics*, **1987**, 25, 23-81 31.7 1792
- 1 Formation and Heating of Molecular Cloud Cores **1987**, 173-193 10