

Susana Lizano

List of Publications by Year in descending order

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79
papers

7,503
citations

159573

30
h-index

76898

74
g-index

80
all docs

80
docs citations

80
times ranked

3225
citing authors

#	ARTICLE	IF	CITATIONS
1	Star Formation in Molecular Clouds: Observation and Theory. Annual Review of Astronomy and Astrophysics, 1987, 25, 23-81.	24.3	1,972
2	Magnetocentrifugally driven flows from young stars and disks. 1: A generalized model. Astrophysical Journal, 1994, 429, 781.	4.5	1,064
3	Photoevaporation of disks around massive stars and application to ultracompact H II regions. Astrophysical Journal, 1994, 428, 654.	4.5	506
4	Accretion Disks around Young Objects. I. The Detailed Vertical Structure. Astrophysical Journal, 1998, 500, 411-427.	4.5	492
5	Accretion Disks around Young Objects. II. Tests of Well-mixed Models with ISM Dust. Astrophysical Journal, 1999, 527, 893-909.	4.5	391
6	Massive Stars: Their Environment and Formation. Publications of the Astronomical Society of the Pacific, 1999, 111, 1049-1087.	3.1	302
7	Molecular cloud cores and bimodal star formation. Astrophysical Journal, 1989, 342, 834.	4.5	201
8	Compact protoplanetary disks around the stars of a young binary system. Nature, 1998, 395, 355-357.	27.8	174
9	Star formation and the nature of bipolar outflows. Astrophysical Journal, 1991, 370, L31.	4.5	166
10	Mass loss from rapidly rotating magnetic protostars. Astrophysical Journal, 1988, 328, L19.	4.5	158
11	Heating and Ionization of Winds. Astrophysical Journal, 2002, 564, 853-876.	4.5	148
12	Magnetocentrifugally driven flows from young stars and disks. 2: Formulation of the dynamical problem. Astrophysical Journal, 1994, 429, 797.	4.5	140
13	Gravitational Collapse of Magnetized Clouds. I. Ideal Magnetohydrodynamic Accretion Flow. Astrophysical Journal, 2006, 647, 374-381.	4.5	134
14	Hot Molecular Cores and the Formation of Massive Stars. Astrophysical Journal, 1999, 525, 808-820.	4.5	112
15	Proper Motions of the BN Object and the Radio Source I in Orion: Where and When Did the BN Object Become a Runaway Star?. Astrophysical Journal, 2005, 627, L65-L68.	4.5	94
16	Monitoring the Large Proper Motions of Radio Sources in the Orion BN/KL Region. Astrophysical Journal, 2008, 685, 333-343.	4.5	88
17	Dynamical Decay of a Massive Multiple System in Orion KL?. Astrophysical Journal, 2005, 635, 1166-1172.	4.5	82
18	Self-similar Champagne Flows in HiiRegions. Astrophysical Journal, 2002, 580, 969-979.	4.5	82

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19	Gravitational Collapse of Magnetized Clouds. II. The Role of Ohmic Dissipation. <i>Astrophysical Journal</i> , 2006, 647, 382-389.	4.5	73
20	Mean Field Magnetohydrodynamics of Accretion Disks. <i>Astrophysical Journal</i> , 2007, 665, 535-553.	4.5	68
21	Photoevaporated Disks around Massive Young Stars. <i>Astrophysical Journal</i> , 2004, 614, 807-817.	4.5	55
22	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> , 2009, 694, 29-45.	4.5	50
23	Photoevaporated Flows from H II Regions. <i>Astrophysical Journal</i> , 1996, 468, 739.	4.5	42
24	Singular Isothermal Disks. I. Linear Stability Analysis. <i>Astrophysical Journal</i> , 2000, 535, 190-210.	4.5	42
25	Dust Concentration and Emission in Protoplanetary Disks Vortices. <i>Astrophysical Journal</i> , 2017, 850, 115.	4.5	38
26	Does Turbulent Pressure Behave as a Logatropé?. <i>Astrophysical Journal</i> , 1998, 492, 596-602.	4.5	37
27	On the Thermal Stability of Irradiation-dominated Pre-main-sequence Disks. <i>Astrophysical Journal</i> , 1999, 511, 896-903.	4.5	33
28	MIGRATION OF EXTRASOLAR PLANETS: EFFECTS FROM α -WIND ACCRETION DISKS. <i>Astrophysical Journal</i> , 2009, 702, L182-L186.	4.5	32
29	DECIPHERING THE IONIZED GAS CONTENT IN THE MASSIVE STAR-FORMING COMPLEX G75.78+0.34. <i>Astrophysical Journal</i> , 2013, 766, 114.	4.5	32
30	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> , 1994, 429, 268.	4.5	32
31	Free-free Radio Emission from Young Stellar Objects. <i>Astrophysical Journal</i> , 2004, 612, L69-L72.	4.5	31
32	Early science with the Large Millimetre Telescope: Deep LMT/AzTEC millimetre observations of μ Eridani and its surroundings. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 2285-2294.	4.4	31
33	THE PROPER MOTIONS OF THE DOUBLE RADIO SOURCE n IN THE ORION BN/KL REGION. <i>Astrophysical Journal</i> , 2017, 834, 140.	4.5	31
34	Singular Isothermal Disks. II. Nonaxisymmetric Bifurcations and Equilibria. <i>Astrophysical Journal</i> , 2001, 551, 367-386.	4.5	30
35	IMAGING THE PHOTOEVAPORATING DISK AND RADIO JET OF GM AUR. <i>Astrophysical Journal</i> , 2016, 829, 1.	4.5	28
36	Effects of Scattering, Temperature Gradients, and Settling on the Derived Dust Properties of Observed Protoplanetary Disks. <i>Astrophysical Journal</i> , 2020, 892, 136.	4.5	28

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37	On the Effects of Self-obscuration in the (Sub)Millimeter Spectral Indices and the Appearance of Protostellar Disks. <i>Astrophysical Journal</i> , 2018, 868, 39.	4.5	27
38	KINEMATICS OF THE OUTFLOW FROM THE YOUNG STAR DG TAU B: ROTATION IN THE VICINITIES OF AN OPTICAL JET. <i>Astrophysical Journal</i> , 2015, 798, 131.	4.5	26
39	An Analytical Model of Radial Dust Trapping in Protoplanetary Disks. <i>Astrophysical Journal</i> , 2019, 876, 7.	4.5	25
40	VLA observations of high-velocity H I associated with the Herbig-Haro objects 7-11. <i>Astrophysical Journal</i> , 1990, 365, 261.	4.5	25
41	The Challenge of Sub-Keplerian Rotation for Disk Winds. <i>Astrophysical Journal</i> , 2008, 682, L121-L124.	4.5	23
42	Spectra and Sizes of Hypercompact HiiRegions. <i>Astrophysical Journal</i> , 2006, 641, 406-409.	4.5	22
43	Warm Molecular Gas Associated with Cometary H II Regions. <i>Astrophysical Journal</i> , 1995, 453, 727.	4.5	21
44	A Photodissociated Region Associated with the Compact HiiRegion near GGD 12â€“15. <i>Astrophysical Journal</i> , 1998, 503, 297-306.	4.5	20
45	The Evolution of the Inner Regions of Protoplanetary Disks. <i>Astrophysical Journal</i> , 2020, 893, 56.	4.5	18
46	Neutral winds from protostars. <i>Astrophysical Journal</i> , 1992, 397, 214.	4.5	18
47	HYPERCOMPACT H II REGIONS: RESOLVED IMAGES OF G34.26+0.15 A AND B. <i>Astrophysical Journal</i> , 2009, 690, 1084-1088.	4.5	17
48	Observations of the Ionized, Neutral, and Molecular Components Associated with an Expanding HiiRegion. <i>Astrophysical Journal</i> , 2001, 560, 806-820.	4.5	15
49	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> , 2014, 437, 3766-3775.	4.4	15
50	Thermal Structure of Mixing Layers in Bipolar Outflows. <i>Astrophysical Journal</i> , 1995, 447, 742.	4.5	15
51	On the Relative Importance of Photoevaporative and Hydrodynamic Effects in the Ablation of Self-gravitating Globules in Compact HiiRegions. <i>Astrophysical Journal</i> , 1997, 484, 810-819.	4.5	15
52	FOUR HIGHLY LUMINOUS MASSIVE STAR-FORMING REGIONS IN THE NORMA SPIRAL ARM. II. DEEP NEAR-INFRARED IMAGING. <i>Astrophysical Journal</i> , 2010, 710, 583-596.	4.5	14
53	VLA Observations of Carbon Radio Recombination Lines toward the HiiRegion Complex S88B. <i>Astrophysical Journal</i> , 1998, 501, 699-709.	4.5	12
54	Formation of OB Associations in Galaxies. <i>Astrophysical Journal</i> , 2007, 662, L75-L77.	4.5	12

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55	STABILITY OF MAGNETIZED DISKS AND IMPLICATIONS FOR PLANET FORMATION. <i>Astrophysical Journal</i> , 2010, 724, 1561-1570.	4.5	12
56	MAGNETIC INTERACTIONS IN PRE-MAIN-SEQUENCE BINARIES. <i>Astrophysical Journal</i> , 2011, 743, 175.	4.5	11
57	Formation and Heating of Molecular Cloud Cores. , 1987, , 173-193.		11
58	VLA Observations of Hydrogen and Helium Recombination Lines from Partially and Fully Ionized Gas in S88B. <i>Astrophysical Journal</i> , 1998, 501, 710-722.	4.5	11
59	Evolution of HiiRegions inside Hot Molecular Cores. <i>Astrophysical Journal</i> , 2005, 621, 359-371.	4.5	10
60	Magnetization, accretion, and outflows in young stellar objects. <i>Proceedings of the International Astronomical Union</i> , 2007, 3, 249-264.	0.0	10
61	THE COMPACT, TIME-VARIABLE RADIO SOURCE PROJECTED INSIDE W3(OH): EVIDENCE FOR A PHOTOEVAPORATED DISK?. <i>Astrophysical Journal</i> , 2013, 772, 151.	4.5	10
62	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> , 2020, 892, 82.	4.5	10
63	VERTICAL STRUCTURE OF MAGNETIZED ACCRETION DISKS AROUND YOUNG STARS. <i>Astrophysical Journal</i> , 2016, 817, 35.	4.5	7
64	Flat-spectrum Radio Continuum Emission Associated with μ Eridani. <i>Astrophysical Journal</i> , 2019, 871, 172.	4.5	7
65	Modeling the Prompt Optical Emission of GRB 180325A: The Evolution of a Spike from the Optical to Gamma Rays. <i>Astrophysical Journal</i> , 2021, 908, 39.	4.5	7
66	Angular Momentum in Bipolar Outflows: Dynamical Evolutionary Model. <i>Astrophysical Journal</i> , 2019, 879, 42.	4.5	6
67	Gravitational Collapse and Disk Formation in Magnetized Cores. <i>Astrophysics and Space Science Library</i> , 2015, , 459-479.	2.7	6
68	Shock dynamics in relativistic jets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 430, 2703-2714.	4.4	5
69	ALMA Observations and Modeling of the Rotating Outflow in Orion Source I. <i>Astrophysical Journal</i> , 2020, 904, 158.	4.5	5
70	Emission from Magnetized Accretion Disks around Young Stars. <i>Astrophysical Journal</i> , 2017, 849, 136.	4.5	4
71	RESOLVED RADIO EMISSION FROM MODELS OF PHOTOEVAPORATED DISKS AROUND MASSIVE YOUNG STARS. <i>Astrophysical Journal</i> , 2012, 751, 63.	4.5	3
72	Exploring the Grain Properties in the Disk of HL Tau with an Evolutionary Model. <i>Astrophysical Journal</i> , 2019, 887, 244.	4.5	3

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73	Resolving the Collimation Zone of an Intermediate-mass Protostellar Jet. <i>Astrophysical Journal Letters</i> , 2022, 931, L26.	8.3	3
74	AN EXPANDING H I PHOTODISSOCIATED REGION ASSOCIATED WITH THE COMPACT H II REGION G213.880±11.837 IN THE GGD 14 COMPLEX. <i>Astronomical Journal</i> , 2010, 140, 913-918.	4.7	2
75	How big stars are made. <i>Nature</i> , 2002, 416, 29-31.	27.8	1
76	Environments and Formation of Massive Stars. <i>Highlights of Astronomy</i> , 2002, 12, 161-163.	0.0	0
77	Division VI: Interstellar Matter. <i>Proceedings of the International Astronomical Union</i> , 2005, 1, 267-271.	0.0	0
78	From Magnetized Cores to Protoplanetary Disks. <i>Proceedings of the International Astronomical Union</i> , 2009, 5, 440-441.	0.0	0
79	The Role of Magnetic Fields in the Protostellar Accretion Phase. , 2010, , .		0