Amelia M Stutz

List of Publications by Year
in descending order

72	3,507	186265 28	138484 58
papers	citations	h-index	g-index

74	74	74	3888
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	ATOMS: ALMA Three-millimeter Observations of Massive Star-forming regions â€“ V. Hierarchical fragmentation and gas dynamics in IRDC G034.43+00.24. Monthly Notices of the Royal Astronomical Society, 2022, 510, 5009-5022.	4.4	17
2	The Rate, Amplitude, and Duration of Outbursts from Class 0 Protostars in Orion. Astrophysical Journal Letters, 2022, 924, L23.	8.3	21
3	The VLA/ALMA Nascent Disk And Multiplicity (VANDAM) Survey of Orion Protostars. V. A Characterization of Protostellar Multiplicity. Astrophysical Journal, 2022, 925, 39.	4.5	19
4	ATOMS: ALMA Three-millimeter Observations of Massive Star-forming regions â€“ IX. A pilot study towards IRDC G034.43+00.24 on multi-scale structures and gas kinematics. Monthly Notices of the Royal Astronomical Society, 2022, 511, 4480-4489.	4.4	17
5	APOGEE Net: An Expanded Spectral Model of Both Low-mass and High-mass Stars. Astronomical Journal, 2022, 163, 152.	4.7	16
6	A Study of 90 GHz Dust Emissivity on Molecular Cloud and Filament Scales. Astrophysical Journal, 2022, 929, 102.	4.5	1
7	Extended HNCO, SiO, and HC₃N Emission in 43 Southern Star-forming Regions. Astrophysical Journal, Supplement Series, 2021, 253, 2.	7.7	6
8	Filament Rotation in the California L1482 Cloud. Astrophysical Journal, 2021, 908, 86.	4.5	13
9	An HST Survey of Protostellar Outflow Cavities: Does Feedback Clear Envelopes?. Astrophysical Journal, 2021, 911, 153.	4.5	15
10	ATOMS: ALMA three-millimeter observations of massive star-forming regions â€“ III. Catalogues of candidate hot molecular cores and hyper/ultra compact Hâ€‰‰<scp>ii</scp> regions. Monthly Notices of the Royal Astronomical Society, 2021, 505, 2801-2818.	4.4	23
11	Small-N collisional dynamics â€“ V. From N â‰² 10 to N â‰³ 103. Monthly Notices of the Royal Astronomical Society, 2021, 502, 3374-3384.	4.4	2
12	The mean free path approximation and stellar collisions in star clusters: numerical exploration of the analytic rates and the role of perturbations on binary star mergers. Monthly Notices of the Royal Astronomical Society, 2021, 509, 3724-3736.	4.4	5
13	Final Targeting Strategy for the Sloan Digital Sky Survey IV Apache Point Observatory Galactic Evolution Experiment 2 North Survey. Astronomical Journal, 2021, 162, 302.	4.7	44
14	Final Targeting Strategy for the SDSS-IV APOGEE-2S Survey. Astronomical Journal, 2021, 162, 303.	4.7	46
15	Detection of Irregular, Submillimeter Opaque Structures in the Orion Molecular Clouds: Protostars within 10,000 yr of Formation?. Astrophysical Journal, 2020, 890, 129.	4.5	16
16	The VLA/ALMA Nascent Disk and Multiplicity (VANDAM) Survey of Orion Protostars. II. A Statistical Characterization of Class 0 and Class I Protostellar Disks. Astrophysical Journal, 2020, 890, 130.	4.5	170
17	Magnetic fields in star-forming systems â€“ II: Examining dust polarization, the Zeeman effect, and the Faraday rotation measure as magnetic field tracers. Monthly Notices of the Royal Astronomical Society, 2020, 500, 153-176.	4.4	8
18	The Herschel Orion Protostar Survey: Far-infrared Photometry and Colors of Protostars and Their Variations across Orion A and B*. Astrophysical Journal, 2020, 905, 119.	4.5	9

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19	The CARMA-NRO Orion Survey: Core Emergence and Kinematics in the Orion A Cloud. Astrophysical Journal, 2019, 882, 45.	4.5	6
20	Gas velocity structure of the Orion A integral-shaped filament. Monthly Notices of the Royal Astronomical Society, 2019, 489, 4771-4782.	4.4	18
21	Large-scale periodic velocity oscillation in the filamentary cloud G350.54+0.69. Monthly Notices of the Royal Astronomical Society, 2019, 487, 1259-1268.	4.4	27
22	The VLA/ALMA Nascent Disk and Multiplicity (VANDAM) Survey of Orion Protostars. I. Identifying and Characterizing the Protostellar Content of the OMC-2 FIR4 and OMC-2 FIR3 Regions. Astrophysical Journal, 2019, 886, 6.	4.5	22
23	Fast deuterium fractionation in magnetized and turbulent filaments. Monthly Notices of the Royal Astronomical Society, 2018, 478, 95-109.	4.4	14
24	Intensity-corrected Herschel Observations of Nearby Isolated Low-mass Clouds*. Astrophysical Journal, 2018, 852, 102.	4.5	12
25	Formation of massive seed black holes via collisions and accretion. Monthly Notices of the Royal Astronomical Society, 2018, 476, 366-380.	4.4	59
26	Magnetic fields in star-forming systems (I): idealized synthetic signatures of dust polarization and Zeeman splitting in filaments. Monthly Notices of the Royal Astronomical Society, 2018, 481, 2507-2522.	4.4	21
27	The Arizona Radio Observatory CO Mapping Survey of Galactic Molecular Clouds. VI. The Cep OB3 Cloud (Cepheus B and C) in CO JÂ=Â2â€“1, ¹³CO JÂ=Â2â€“1, and CO JÂ=Â3â€“2. Astrophysical Journal, Supplement Series, 2018, 238, 20.	7.7	2
28	The straight and isolated G350.54+0.69 filament: density profile and star formation content. Monthly Notices of the Royal Astronomical Society, 2018, 478, 2119-2131.	4.4	12
29	Herschel Observations of Protoplanetary Disks in Lynds 1641*. Astrophysical Journal, 2018, 863, 13.	4.5	10
30	Slingshot mechanism for clusters: Gas density regulates star density in the Orion Nebula Cluster (M42). Monthly Notices of the Royal Astronomical Society, 2018, 473, 4890-4899.	4.4	29
31	Magnetic tension and instabilities in the Orion A integral-shaped filament. Monthly Notices of the Royal Astronomical Society, 2018, 475, 121-127.	4.4	15
32	The Herschel Orion Protostar Survey: Luminosity and Envelope Evolution. Astrophysical Journal, 2017, 840, 69.	4.5	58
33	Star Formation Under the Outflow: The Discovery of a Non-thermal Jet from OMC-2 FIR 3 and Its Relationship to the Deeply Embedded FIR 4 Protostar. Astrophysical Journal, 2017, 840, 36.	4.5	23
34	Fourier-space combination ofPlanckandHerschelimages. Astronomy and Astrophysics, 2017, 604, A65.	5.1	13
35	Constraining the Dust Opacity Law in Three Small and Isolated Molecular Clouds. Astrophysical Journal, 2017, 849, 13.	4.5	7
36	Dynamical ejections of stars due to an accelerating gas filament. Monthly Notices of the Royal Astronomical Society, 2017, 471, 3590-3598.	4.4	12

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37	THE EVOLUTION OF FAR-INFRARED CO EMISSION FROM PROTOSTARS. Astrophysical Journal, 2016, 831, 69.	4.5	18
38	CHARACTERIZING THE YOUNGEST HERSCHEL-DETECTED PROTOSTARS. II. MOLECULAR OUTFLOWS FROM THE MILLIMETER AND THE FAR-INFRARED*. Astrophysical Journal, 2016, 831, 36.	4.5	20
39	THE HERSCHEL ORION PROTOSTAR SURVEY: SPECTRAL ENERGY DISTRIBUTIONS AND FITS USING A GRID OF PROTOSTELLAR MODELS. Astrophysical Journal, Supplement Series, 2016, 224, 5.	7.7	136
40	THE OPTICALâ€“INFRARED EXTINCTION CURVE AND ITS VARIATION IN THE MILKY WAY. Astrophysical Journal, 2016, 821, 78.	4.5	185
41	EVOLUTION OF MASS OUTFLOW IN PROTOSTARS. Astrophysical Journal, 2016, 828, 52.	4.5	30
42	Slingshot mechanism in Orion: Kinematic evidence for ejection of protostars by filaments. Astronomy and Astrophysics, 2016, 590, A2.	5.1	95
43	MEASUREMENT OF HDCO/H₂CO RATIOS IN THE ENVELOPES OF EXTREMELY COLD PROTOSTARS IN ORION. Astrophysical Journal, 2015, 814, 31.	4.5	12
44	CHARACTERIZING THE YOUNGESTHERSCHEL-DETECTED PROTOSTARS. I. ENVELOPE STRUCTURE REVEALED BY CARMA DUST CONTINUUM OBSERVATIONS. Astrophysical Journal, 2015, 798, 128.	4.5	35
45	HOPS 383: AN OUTBURSTING CLASS 0 PROTOSTAR IN ORION. Astrophysical Journal Letters, 2015, 800, L5.	8.3	85
46	MOLECULAR OUTFLOWS DRIVEN BY LOW-MASS PROTOSTARS. I. CORRECTING FOR UNDERESTIMATES WHEN MEASURING OUTFLOW MASSES AND DYNAMICAL PROPERTIES. Astrophysical Journal, 2014, 783, 29.	4.5	93
47	HOPS 136: AN EDGE-ON ORION PROTOSTAR NEAR THE END OF ENVELOPE INFALL. Astrophysical Journal, 2014, 781, 123.	4.5	8
48	ON THE NATURE OF THE DEEPLY EMBEDDED PROTOSTAR OMC-2 FIR 4. Astrophysical Journal, 2014, 786, 26.	4.5	22
49	Line profiles of cores within clusters â€“ III. What is the most reliable tracer of core collapse in dense clusters?. Monthly Notices of the Royal Astronomical Society, 2014, 444, 874-886.	4.4	23
50	AHERSCHELAND APEX CENSUS OF THE REDDEST SOURCES IN ORION: SEARCHING FOR THE YOUNGEST PROTOSTARS. Astrophysical Journal, 2013, 767, 36.	4.5	132
51	G048.66â€“0.29: PHYSICAL STATE OF AN ISOLATED SITE OF MASSIVE STAR FORMATION. Astrophysical Journal, 2013, 766, 68.	4.5	13
52	HERSCHEL/PACS SPECTROSCOPIC SURVEY OF PROTOSTARS IN ORION: THE ORIGIN OF FAR-INFRARED CO EMISSION. Astrophysical Journal, 2013, 763, 83.	4.5	84
53	MULTIWAVELENGTH OBSERVATIONS OF V2775 Ori, AN OUTBURSTING PROTOSTAR IN L 1641: EXPLORING THE EDGE OF THE FU ORIONIS REGIME. Astrophysical Journal, 2012, 756, 99.	4.5	46
54	KELT-1b: A STRONGLY IRRADIATED, HIGHLY INFLATED, SHORT PERIOD, 27 JUPITER-MASS COMPANION TRANSITING A MID-F STAR. Astrophysical Journal, 2012, 761, 123.	4.5	230

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55	DUST SPECTRAL ENERGY DISTRIBUTIONS IN THE ERA OFHERSCHELANDPLANCK: A HIERARCHICAL BAYESIAN-FITTING TECHNIQUE. Astrophysical Journal, 2012, 752, 55.	4.5	104
56	FIRST SCIENCE OBSERVATIONS WITH SOFIA/FORCAST: PROPERTIES OF INTERMEDIATE-LUMINOSITY PROTOSTARS AND CIRCUMSTELLAR DISKS IN OMC-2. Astrophysical Journal Letters, 2012, 749, L24.	8.3	26
57	KELT-2Ab: A HOT JUPITER TRANSITING THE BRIGHT (V = 8.77) PRIMARY STAR OF A BINARY SYSTEM. Astrophysical Journal Letters, 2012, 756, L39.	8.3	60
58	LINE PROFILES OF CORES WITHIN CLUSTERS. I. THE ANATOMY OF A FILAMENT. Astrophysical Journal, 2012, 750, 64.	4.5	48
59	OBSERVATIONAL CONSTRAINTS ON SUBMILLIMETER DUST OPACITY. Astrophysical Journal, 2011, 728, 143.	4.5	60
60	THESPITZERc2d SURVEY OF NEARBY DENSE CORES. IX. DISCOVERY OF A VERY LOW LUMINOSITY OBJECT DRIVING A MOLECULAR OUTFLOW IN THE DENSE CORE L673-7. Astrophysical Journal, 2010, 721, 995-1013.	4.5	41
61	The Ubiquity of Micrometer-Sized Dust Grains in the Dense Interstellar Medium. Science, 2010, 329, 1622-1624.	12.6	142
62	SPITZER OBSERVATIONS OF L429: A NEAR-COLLAPSE OR COLLAPSING STARLESS CORE. Astrophysical Journal, 2009, 690, L35-L38.	4.5	13
63	SPITZERAND HEINRICH HERTZ TELESCOPE OBSERVATIONS OF STARLESS CORES: MASSES AND ENVIRONMENTS. Astrophysical Journal, 2009, 707, 137-166.	4.5	41
64	Spitzerand HHT Observations of Bok Globule B335: Isolated Star Formation Efficiency and Cloud Structure. Astrophysical Journal, 2008, 687, 389-405.	4.5	51
65	On the Stellar Populations in Faint Red Galaxies in theHubbleUltra Deep Field1. Astrophysical Journal, 2008, 677, 828-845.	4.5	13
66	The Kilodegree Extremely Little Telescope (KELT): A Small Robotic Telescope for Largeâ€Area Synoptic Surveys. Publications of the Astronomical Society of the Pacific, 2007, 119, 923-935.	3.1	324
67	SpitzerObservations of a 24 Î¼m Shadow: Bok Globule CB 190. Astrophysical Journal, 2007, 665, 466-477.	4.5	16
68	SpitzerObservations of Massive, Red Galaxies at High Redshift. Astrophysical Journal, 2006, 640, 92-113.	4.5	279
69	The Nature of the Variable Galactic Center Source IRS 16SW. Astrophysical Journal, 2004, 617, 1127-1130.	4.5	12
70	Nearâ€Infrared and Optical Morphology of Spiral Galaxies. Astrophysical Journal, Supplement Series, 2002, 143, 73-111.	7.7	176
71	A Method to Measure the Ratio of Total to Selective Extinction toward Baadeâ€™s Window. Astrophysical Journal, 2001, 547, 590-593.	4.5	11
72	Anomalous RR Lyrae (Vâˆ’I)0Colors in Baadeâ€™s Window. Astrophysical Journal, 1999, 521, 206-211.	4.5	14