Simon C O Glover

List of Publications by Year
in descending order

225	13,787	14655 66	29157 104
papers	citations	h-index	g-index

226	226	226	5220
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	SIMULATIONS ON A MOVING MESH: THE CLUSTERED FORMATION OF POPULATION III PROTOSTARS. Astrophysical Journal, 2011, 737, 75.	4.5	375
2	The Formation and Fragmentation of Disks Around Primordial Protostars. Science, 2011, 331, 1040-1042.	12.6	320
3	Formation and evolution of primordial protostellar systems. Monthly Notices of the Royal Astronomical Society, 2012, 424, 399-415.	4.4	271
4	<scp>Phantom</scp>: A Smoothed Particle Hydrodynamics and Magnetohydrodynamics Code for Astrophysics. Publications of the Astronomical Society of Australia, 2018, 35, .	3.4	267
5	The SILCC (SImulating the LifeCycle of molecular Clouds) project â€“ I. Chemical evolution of the supernova-driven ISM. Monthly Notices of the Royal Astronomical Society, 2015, 454, 246-276.	4.4	255
6	Simulating the Formation of Molecular Clouds. I. Slow Formation by Gravitational Collapse from Static Initial Conditions. Astrophysical Journal, Supplement Series, 2007, 169, 239-268.	7.7	243
7	GRAVITATIONAL FRAGMENTATION IN TURBULENT PRIMORDIAL GAS AND THE INITIAL MASS FUNCTION OF POPULATION III STARS. Astrophysical Journal, 2011, 727, 110.	4.5	240
8	Uncertainties in H₂and HD chemistry and cooling and their role in early structure formation. Monthly Notices of the Royal Astronomical Society, 2008, 388, 1627-1651.	4.4	224
9	Simulating the Formation of Molecular Clouds. II. Rapid Formation from Turbulent Initial Conditions. Astrophysical Journal, 2007, 659, 1317-1337.	4.5	223
10	THE FIRST GALAXIES: CHEMICAL ENRICHMENT, MIXING, AND STAR FORMATION. Astrophysical Journal, 2010, 716, 510-520.	4.5	208
11	On the relationship between molecular hydrogen and carbon monoxide abundances in molecular clouds. Monthly Notices of the Royal Astronomical Society, 2011, 412, 337-350.	4.4	205
12	grackle: a chemistry and cooling library for astrophysics. Monthly Notices of the Royal Astronomical Society, 2017, 466, 2217-2234.	4.4	201
13	The First Stellar Cluster. Astrophysical Journal, 2008, 672, 757-764.	4.5	180
14	The density variance-Mach number relation in supersonic turbulence - I. Isothermal, magnetized gas. Monthly Notices of the Royal Astronomical Society, 2012, 423, 2680-2689.	4.4	179
15	The lifecycle of molecular clouds in nearby star-forming disc galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 493, 2872-2909.	4.4	178
16	The SILCC (SImulating the LifeCycle of molecular Clouds) project â€“ II. Dynamical evolution of the supernova-driven ISM and the launching of outflows. Monthly Notices of the Royal Astronomical Society, 2016, 456, 3432-3455.	4.4	166
17	LAUNCHING COSMIC-RAY-DRIVEN OUTFLOWS FROM THE MAGNETIZED INTERSTELLAR MEDIUM. Astrophysical Journal Letters, 2016, 816, L19.	8.3	163
18	PHANGSâ€“ALMA: Arcsecond CO(2â€“1) Imaging of Nearby Star-forming Galaxies. Astrophysical Journal, Supplement Series, 2021, 257, 43.	7.7	161

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19	Star Formation at Very Low Metallicity. I. Chemistry and Cooling at Low Densities. Astrophysical Journal, 2007, 666, 1-19.	4.5	156
20	CO-dark gas and molecular filaments in Milky Way-type galaxies. Monthly Notices of the Royal Astronomical Society, 2014, 441, 1628-1645.	4.4	153
21	The SILCC project â€“ III. Regulation of star formation and outflows by stellar winds and supernovae. Monthly Notices of the Royal Astronomical Society, 2017, 466, 1903-1924.	4.4	149
22	TOPoS. Astronomy and Astrophysics, 2015, 579, A28.	5.1	141
23	On the nature of star-forming filaments â€“ I. Filament morphologies. Monthly Notices of the Royal Astronomical Society, 2014, 445, 2900-2917.	4.4	137
24	Modelling the supernova-driven ISM in different environments. Monthly Notices of the Royal Astronomical Society, 2015, 449, 1057-1075.	4.4	128
25	Modelling CO formation in the turbulent interstellar medium. Monthly Notices of the Royal Astronomical Society, 2010, , .	4.4	126
26	Physical Processes in the Interstellar Medium. Saas-Fee Advanced Course, 2016, , 85-249.	1.1	126
27	TreeCol: a novel approach to estimating column densities in astrophysical simulations. Monthly Notices of the Royal Astronomical Society, 2012, 420, 745-756.	4.4	123
28	THE SMALL-SCALE DYNAMO AND NON-IDEAL MAGNETOHYDRODYNAMICS IN PRIMORDIAL STAR FORMATION. Astrophysical Journal, 2012, 754, 99.	4.5	119
29	The HI/OH/Recombination line survey of the inner Milky Way (THOR). Astronomy and Astrophysics, 2016, 595, A32.	5.1	118
30	Titans of the early Universe: The Prato statement on the origin of the first supermassive black holes. Publications of the Astronomical Society of Australia, 2019, 36, .	3.4	114
31	Experimental Results for H ₂ Formation from H ^{â^'} and H and Implications for First Star Formation. Science, 2010, 329, 69-71.	12.6	113
32	THE ROLE OF COSMIC-RAY PRESSURE IN ACCELERATING GALACTIC OUTFLOWS. Astrophysical Journal Letters, 2016, 827, L29.	8.3	113
33	DUST AND GAS IN THE MAGELLANIC CLOUDS FROM THE HERITAGE HERSCHEL KEY PROJECT. II. GAS-TO-DUST RATIO VARIATIONS ACROSS INTERSTELLAR MEDIUM PHASES. Astrophysical Journal, 2014, 797, 86.	4.5	112
34	ON THE INITIAL MASS FUNCTION OF LOW-METALLICITY STARS: THE IMPORTANCE OF DUST COOLING. Astrophysical Journal, 2013, 766, 103.	4.5	110
35	The Formation Of The First Stars In The Universe. Space Science Reviews, 2005, 117, 445-508.	8.1	109
36	Star formation and molecular hydrogen in dwarf galaxies: a non-equilibrium view. Monthly Notices of the Royal Astronomical Society, 2016, 458, 3528-3553.	4.4	109

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37	How long does it take to form a molecular cloud?. Monthly Notices of the Royal Astronomical Society, 2012, 424, 2599-2613.	4.4	107
38	Star formation in metal-poor gas clouds. Monthly Notices of the Royal Astronomical Society, 2012, 426, 377-388.	4.4	106
39	Distances to PHANGS galaxies: New tip of the red giant branch measurements and adopted distances. Monthly Notices of the Royal Astronomical Society, 2021, 501, 3621-3639.	4.4	106
40	Mapping Metallicity Variations across Nearby Galaxy Disks. Astrophysical Journal, 2019, 887, 80.	4.5	103
41	Radiative feedback from an early X-ray background. Monthly Notices of the Royal Astronomical Society, 2003, 340, 210-226.	4.4	102
42	Winds and radiation in unison: a new semi-analytic feedback model for cloud dissolution. Monthly Notices of the Royal Astronomical Society, 2017, 470, 4453-4472.	4.4	102
43	THE FIRST GALAXIES: ASSEMBLY WITH BLACK HOLE FEEDBACK. Astrophysical Journal, 2012, 754, 34.	4.5	100
44	THE IDENTIFICATION OF FILAMENTS ON FAR-INFRARED AND SUBMILLIMITER IMAGES: MORPHOLOGY, PHYSICAL CONDITIONS AND RELATION WITH STAR FORMATION OF FILAMENTARY STRUCTURE. Astrophysical Journal, 2014, 791, 27.	4.5	99
45	The effects of accretion luminosity upon fragmentation in the early universe. Monthly Notices of the Royal Astronomical Society, 2011, 414, 3633-3644.	4.4	98
46	On the nature of star-forming filaments â€“ II. Subfilaments and velocities. Monthly Notices of the Royal Astronomical Society, 2016, 455, 3640-3655.	4.4	96
47	The PHANGS-MUSE survey. Astronomy and Astrophysics, 2022, 659, A191.	5.1	96
48	Is molecular gas necessary for star formation?. Monthly Notices of the Royal Astronomical Society, 2012, , no-no.	4.4	92
49	SILCC-Zoom: the dynamic and chemical evolution of molecular clouds. Monthly Notices of the Royal Astronomical Society, 2017, 472, 4797-4818.	4.4	89
50	Variable interstellar radiation fields in simulated dwarf galaxies: supernovae versus photoelectric heating. Monthly Notices of the Royal Astronomical Society, 2017, 471, 2151-2173.	4.4	89
51	Dynamical Equilibrium in the Molecular ISM in 28 Nearby Star-forming Galaxies. Astrophysical Journal, 2020, 892, 148.	4.5	88
52	The SILCC project â€“ IV. Impact of dissociating and ionizing radiation on the interstellar medium and HÎ± emission as a tracer of the star formation rate. Monthly Notices of the Royal Astronomical Society, 2017, 466, 3293-3308.	4.4	86
53	The ISM in spiral galaxies: can cooling in spiral shocks produce molecular clouds?. Monthly Notices of the Royal Astronomical Society, 2008, 389, 1097-1110.	4.4	85
54	Molecular Gas Properties on Cloud Scales across the Local Star-forming Galaxy Population. Astrophysical Journal Letters, 2020, 901, L8.	8.3	85

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55	Constraining the primordial initial mass function with stellar archaeology. Monthly Notices of the Royal Astronomical Society, 2015, 447, 3892-3908.	4.4	81
56	PHANGSâ€“ALMA Data Processing and Pipeline. Astrophysical Journal, Supplement Series, 2021, 255, 19.	7.7	79
57	Is H⁺₃cooling ever important in primordial gas?. Monthly Notices of the Royal Astronomical Society, 2009, 393, 911-948.	4.4	78
58	On the photodissociation of H2 by the first stars. Monthly Notices of the Royal Astronomical Society, 2001, 321, 385-397.	4.4	77
59	Descendants of the first stars: the distinct chemical signature of second-generation stars. Monthly Notices of the Royal Astronomical Society, 2018, 478, 1795-1810.	4.4	77
60	PHANGS CO Kinematics: Disk Orientations and Rotation Curves at 150 pc Resolution. Astrophysical Journal, 2020, 897, 122.	4.5	77
61	Is atomic carbon a good tracer of molecular gas in metal-poor galaxies?. Monthly Notices of the Royal Astronomical Society, 2016, 456, 3596-3609.	4.4	76
62	QUANTIFYING OBSERVATIONAL PROJECTION EFFECTS USING MOLECULAR CLOUD SIMULATIONS. Astrophysical Journal, 2013, 777, 173.	4.5	75
63	Giant molecular cloud catalogues for PHANGS-ALMA: methods and initial results. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1218-1245.	4.4	75
64	BLACK HOLE FORMATION IN PRIMORDIAL GALAXIES: CHEMICAL AND RADIATIVE CONDITIONS. Astrophysical Journal Letters, 2010, 712, L69-L72.	8.3	73
65	THE EFFECT OF DUST COOLING ON LOW-METALLICITY STAR-FORMING CLOUDS. Astrophysical Journal Letters, 2011, 729, L3.	8.3	70
66	The formation of direct collapse black holes under the influence of streaming velocities. Monthly Notices of the Royal Astronomical Society, 2017, 471, 4878-4884.	4.4	70
67	The Cloud Factory I: Generating resolved filamentary molecular clouds from galactic-scale forces. Monthly Notices of the Royal Astronomical Society, 2020, 492, 1594-1613.	4.4	67
68	Approximations for modelling CO chemistry in giant molecular clouds: a comparison of approaches. Monthly Notices of the Royal Astronomical Society, 2012, , no-no.	4.4	66
69	Modelling [Câ€‰i] emission from turbulent molecular clouds. Monthly Notices of the Royal Astronomical Society, 2015, 448, 1607-1627.	4.4	65
70	Pre-supernova feedback mechanisms drive the destruction of molecular clouds in nearby star-forming disc galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 509, 272-288.	4.4	65
71	A theoretical explanation for the Central Molecular Zone asymmetry. Monthly Notices of the Royal Astronomical Society, 2018, 475, 2383-2402.	4.4	64
72	The influence of streaming velocities on the formation of the first stars. Monthly Notices of the Royal Astronomical Society, 2019, 484, 3510-3521.	4.4	64

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73	New constraints on direct collapse black hole formation in the early Universe. Monthly Notices of the Royal Astronomical Society, 2016, 459, 4209-4217.	4.4	63
74	Galactic supernova remnant candidates discovered by THOR. Astronomy and Astrophysics, 2017, 605, A58.	5.1	63
75	On the duration of the embedded phase of star formation. Monthly Notices of the Royal Astronomical Society, 2021, 504, 487-509.	4.4	61
76	SILCC VI â€“ Multiphase ISM structure, stellar clustering, and outflows with supernovae, stellar winds, ionizing radiation, and cosmic rays. Monthly Notices of the Royal Astronomical Society, 2021, 504, 1039-1061.	4.4	61
77	Simulating the formation of massive seed black holes in the early Universe â€“ I. An improved chemical model. Monthly Notices of the Royal Astronomical Society, 2015, 451, 2082-2096.	4.4	60
78	Chemical mixing in smoothed particle hydrodynamics simulations. Monthly Notices of the Royal Astronomical Society, 2009, 392, 1381-1387.	4.4	58
79	EFFECTS OF VARYING THE THREE-BODY MOLECULAR HYDROGEN FORMATION RATE IN PRIMORDIAL STAR FORMATION. Astrophysical Journal, 2011, 726, 55.	4.5	58
80	The PHANGS-HST Survey: Physics at High Angular Resolution in Nearby Galaxies with the Hubble Space Telescope. Astrophysical Journal, Supplement Series, 2022, 258, 10.	7.7	58
81	The Gasâ€“Star Formation Cycle in Nearby Star-forming Galaxies. I. Assessment of Multi-scale Variations. Astrophysical Journal, 2019, 887, 49.	4.5	57
82	Simulations of the Milky Wayâ€™s central molecular zone â€“ I. Gas dynamics. Monthly Notices of the Royal Astronomical Society, 2020, 499, 4455-4478.	4.4	57
83	THE INFLUENCE OF MAGNETIC FIELDS ON THE THERMODYNAMICS OF PRIMORDIAL STAR FORMATION. Astrophysical Journal, 2009, 703, 1096-1106.	4.5	56
84	ON THE TEMPERATURE STRUCTURE OF THE GALACTIC CENTER CLOUD G0.253+0.016. Astrophysical Journal Letters, 2013, 768, L34.	8.3	55
85	Star Formation at Very Low Metallicity. II. On the Insignificance of Metalâ€Line Cooling During the Early Stages of Gravitational Collapse. Astrophysical Journal, 2007, 660, 1332-1343.	4.5	53
86	On column density thresholds and the star formation rate. Monthly Notices of the Royal Astronomical Society, 2014, 444, 2396-2414.	4.4	53
87	The 12CO/13CO ratio in turbulent molecular clouds. Monthly Notices of the Royal Astronomical Society, 2014, 445, 4055-4072.	4.4	53
88	Tracing the formation of molecular clouds via [Câ€‰ii], [Câ€‰i], and CO emission. Monthly Notices of the Royal Astronomical Society, 2019, 486, 4622-4637.	4.4	53
89	Stellar structures, molecular gas, and star formation across the PHANGS sample of nearby galaxies. Astronomy and Astrophysics, 2021, 656, A133.	5.1	53
90	Introducing the FirstLight project: UV luminosity function and scaling relations of primeval galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 470, 2791-2798.	4.4	52

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91	<scp>warpfield</scp>2.0: feedback-regulated minimum star formation efficiencies of giant molecular clouds. Monthly Notices of the Royal Astronomical Society, 2019, 483, 2547-2560.	4.4	52
92	Formation sites of PopulationÂIII star formation: The effects of different levels of rotation and turbulence on the fragmentation behaviour of primordial gas. Monthly Notices of the Royal Astronomical Society, 2020, 494, 1871-1893.	4.4	52
93	The HI/OH/Recombination line survey of the inner Milky Way (THOR): data release 2 and Hâ€¯I overview. Astronomy and Astrophysics, 2020, 634, A83.	5.1	52
94	THOR: The Hâ€‰i, OH, Recombination line survey of the Milky Way. Astronomy and Astrophysics, 2015, 580, A112.	5.1	51
95	Simulations of the star-forming molecular gas in an interacting M51-like galaxy. Monthly Notices of the Royal Astronomical Society, 2020, 492, 2973-2995.	4.4	51
96	A tale of two DIGs: The relative role of Hâ€¯II regions and low-mass hot evolved stars in powering the diffuse ionised gas (DIG) in PHANGSâ€“MUSE galaxies. Astronomy and Astrophysics, 2022, 659, A26.	5.1	51
97	Star formation scaling relations at â¼100 pc from PHANGS: Impact of completeness and spatial scale. Astronomy and Astrophysics, 2021, 650, A134.	5.1	50
98	STAR FORMATION AT VERY LOW METALLICITY. V. THE GREATER IMPORTANCE OF INITIAL CONDITIONS COMPARED TO METALLICITY THRESHOLDS. Astrophysical Journal, 2009, 694, 1161-1170.	4.5	49
99	Simulating the formation of massive seed black holes in the early Universe â€“ II. Impact of rate coefficient uncertainties. Monthly Notices of the Royal Astronomical Society, 2015, 453, 2902-2919.	4.4	49
100	Simulations of the Milky Wayâ€™s Central Molecular Zone â€“ II. Star formation. Monthly Notices of the Royal Astronomical Society, 2020, 497, 5024-5040.	4.4	48
101	Modelling H2 formation in the turbulent interstellar medium: solenoidal versus compressive turbulent forcing. Monthly Notices of the Royal Astronomical Society, 2012, 421, 2531-2542.	4.4	47
102	Variable accretion rates and fluffy first stars. Monthly Notices of the Royal Astronomical Society, 2012, 424, 457-463.	4.4	47
103	THE CO-TO-H₂CONVERSION FACTOR ACROSS THE PERSEUS MOLECULAR CLOUD. Astrophysical Journal, 2014, 784, 80.	4.5	47
104	Predicting the locations of possible long-lived low-mass first stars: importance of satellite dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 473, 5308-5323.	4.4	47
105	Dense gas is not enough: environmental variations in the star formation efficiency of dense molecular gas at 100 pc scales in M 51. Astronomy and Astrophysics, 2019, 625, A19.	5.1	47
106	On the formation of very metal poor stars: the case of SDSSâ€ƒJ1029151+172927. Monthly Notices of the Royal Astronomical Society, 2012, 421, 3217-3221.	4.4	46
107	Comparing Gasâ€Phase and Grainâ€catalyzed H2Formation. Astrophysical Journal, 2003, 584, 331-338.	4.5	46
108	Low-J CO Line Ratios from Single-dish CO Mapping Surveys and PHANGS-ALMA. Astrophysical Journal, 2022, 927, 149.	4.5	46

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109	The First Stars. Astrophysics and Space Science Library, 2013, , 103-174.	2.7	45
110	Measuring the mixing scale of the ISM within nearby spiral galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 499, 193-209.	4.4	44
111	Physical Processes in Star Formation. Space Science Reviews, 2020, 216, 1.	8.1	43
112	THE ABUNDANCE OF MOLECULAR HYDROGEN AND ITS CORRELATION WITH MIDPLANE PRESSURE IN GALAXIES: NON-EQUILIBRIUM, TURBULENT, CHEMICAL MODELS. Astrophysical Journal, 2012, 746, 135.	4.5	42
113	How an improved implementation of H₂self-shielding influences the formation of massive stars and black holes. Monthly Notices of the Royal Astronomical Society, 2015, 452, 1233-1244.	4.4	42
114	A simple method to convert sink particles into stars. Monthly Notices of the Royal Astronomical Society, 2017, 466, 407-412.	4.4	42
115	The SILCC project â€“ V. The impact of magnetic fields on the chemistry and the formation of molecular clouds. Monthly Notices of the Royal Astronomical Society, 2018, 480, 3511-3540.	4.4	42
116	Does the CO-to-H₂conversion factor depend on the star formation rate?. Monthly Notices of the Royal Astronomical Society, 2015, 452, 2057-2070.	4.4	41
117	Continuum sources from the THOR survey between 1 and 2â€‰GHz. Astronomy and Astrophysics, 2016, 588, A97.	5.1	41
118	Lymanâ€“Werner UV escape fractions from primordial haloes. Monthly Notices of the Royal Astronomical Society, 2015, 454, 2441-2450.	4.4	40
119	<tt>Fervent</tt>: chemistry-coupled, ionizing and non-ionizing radiative feedback in hydrodynamical simulations. Monthly Notices of the Royal Astronomical Society, 2015, 454, 380-411.	4.4	39
120	The influence of streaming velocities and Lymanâ€“Werner radiation on the formation of the first stars. Monthly Notices of the Royal Astronomical Society, 2021, 507, 1775-1787.	4.4	39
121	Exploring the nature of the Lyman-Î± emitter CR7. Monthly Notices of the Royal Astronomical Society, 2016, 462, 2184-2202.	4.4	38
122	A dynamical mechanism for the origin of nuclear rings. Monthly Notices of the Royal Astronomical Society, 2018, 481, 2-19.	4.4	38
123	Ubiquitous velocity fluctuations throughout the molecular interstellar medium. Nature Astronomy, 2020, 4, 1064-1071.	10.1	38
124	Turbulent mixing in the interstellar medium: an application for Lagrangian tracer particles. Physica Scripta, 2008, T132, 014025.	2.5	38
125	Using CO line ratios to trace the physical properties of molecular clouds. Monthly Notices of the Royal Astronomical Society, 2017, 465, 2277-2285.	4.4	36
126	CO-dark gas and molecular filaments in Milky Way-type galaxies â€“ II. The temperature distribution of the gas. Monthly Notices of the Royal Astronomical Society, 2016, 462, 3011-3025.	4.4	35

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127	A new statistical model for Population III supernova rates: discriminating between Î›CDM and WDM cosmologies. Monthly Notices of the Royal Astronomical Society, 2016, 462, 3591-3601.	4.4	35
128	The role of galactic dynamics in shaping the physical properties of giant molecular clouds in Milky Way-like galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 498, 385-429.	4.4	35
129	PHANGSâ€“MUSE: The Hâ€¯II region luminosity function of local star-forming galaxies. Astronomy and Astrophysics, 2022, 658, A188.	5.1	34
130	A quantification of the non-spherical geometry and accretion of collapsing cores. Monthly Notices of the Royal Astronomical Society, 2011, 411, 1354-1366.	4.4	33
131	How well does CO emission measure the H₂mass of MCs?. Monthly Notices of the Royal Astronomical Society, 2016, 460, 82-102.	4.4	33
132	The headlight cloud in NGC 628: An extreme giant molecular cloud in a typical galaxy disk. Astronomy and Astrophysics, 2020, 634, A121.	5.1	32
133	Radio continuum emission in the northern Galactic plane: Sources and spectral indices from the THOR survey. Astronomy and Astrophysics, 2018, 619, A124.	5.1	32
134	Molecular Cloud Populations in the Context of Their Host Galaxy Environments: A Multiwavelength Perspective. Astronomical Journal, 2022, 164, 43.	4.7	31
135	WEAKLY INTERACTING MASSIVE PARTICLE DARK MATTER AND FIRST STARS: SUPPRESSION OF FRAGMENTATION IN PRIMORDIAL STAR FORMATION. Astrophysical Journal, 2012, 761, 154.	4.5	30
136	Molecular cooling in the diffuse interstellar medium. Monthly Notices of the Royal Astronomical Society, 2014, 437, 9-20.	4.4	30
137	CO line ratios in molecular clouds: the impact of environment. Monthly Notices of the Royal Astronomical Society, 2018, 475, 1508-1520.	4.4	30
138	Histogram of oriented gradients: a technique for the study of molecular cloud formation. Astronomy and Astrophysics, 2019, 622, A166.	5.1	30
139	LEGO â€“ II. A 3â€‰mm molecular line study covering 100â€‰pc of one of the most actively star-forming portions within the Milky Way disc. Monthly Notices of the Royal Astronomical Society, 2020, 497, 1972-2001.	4.4	30
140	Lymanâ€“Werner escape fractions from the first galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 467, 2288-2300.	4.4	29
141	Forming clusters within clusters: how 30 Doradus recollapsed and gave birth again. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 473, L11-L15.	3.3	29
142	WARPFIELD-EMP: The self-consistent prediction of emission lines from evolving Hâ€‰ii regions in dense molecular clouds. Monthly Notices of the Royal Astronomical Society, 2020, 496, 339-363.	4.4	29
143	The history of dynamics and stellar feedback revealed by the Hâ€¯I filamentary structure in the disk of the Milky Way. Astronomy and Astrophysics, 2020, 642, A163.	5.1	29
144	FirstLight II: Star formation rates of primeval galaxies from z=5-15. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	28

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145	The geometry of the gas surrounding the Central Molecular Zone: on the origin of localized molecular clouds with extreme velocity dispersions. Monthly Notices of the Royal Astronomical Society, 2019, 488, 4663-4673.	4.4	28
146	Observational constraints on the survival of pristine stars. Monthly Notices of the Royal Astronomical Society, 2019, 487, 486-490.	4.4	28
147	Efficacy of early stellar feedback in low gas surface density environments. Monthly Notices of the Royal Astronomical Society, 2020, 491, 2088-2103.	4.4	28
148	Do Spectroscopic Dense Gas Fractions Track Molecular Cloud Surface Densities?. Astrophysical Journal Letters, 2018, 868, L38.	8.3	27
149	A Model for the Onset of Self-gravitation and Star Formation in Molecular Gas Governed by Galactic Forces. II. The Bottleneck to Collapse Set by Cloudâ€“Environment Decoupling. Astrophysical Journal, 2020, 892, 73.	4.5	27
150	Cloud formation in the atomic and molecular phase: Hâ€I self absorption (HISA) towards a giant molecular filament. Astronomy and Astrophysics, 2020, 634, A139.	5.1	27
151	Comparing the pre-SNe feedback and environmental pressures for 6000 Hâ€‰<scp>ii</scp>regions across 19 nearby spiral galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 508, 5362-5389.	4.4	27
152	FirstLight III: rest-frame UV-optical spectral energy distributions of simulated galaxies at cosmic dawn. Monthly Notices of the Royal Astronomical Society, 2019, 484, 1366-1377.	4.4	26
153	Cloud formation in colliding flows: influence of the choice of cooling function. Monthly Notices of the Royal Astronomical Society, 2013, 432, 626-636.	4.4	25
154	A NEW APPROACH TO DETERMINE OPTICALLY THICK H₂COOLING AND ITS EFFECT ON PRIMORDIAL STAR FORMATION. Astrophysical Journal, 2015, 799, 114.	4.5	25
155	How the First Stars Regulated Star Formation. II. Enrichment by Nearby Supernovae. Astrophysical Journal, 2017, 844, 111.	4.5	25
156	Synthetic [Câ€‰ii] emission maps of a simulated molecular cloud in formation. Monthly Notices of the Royal Astronomical Society, 2018, 481, 4277-4299.	4.4	25
157	A minimum dilution scenario for supernovae and consequences for extremely metal-poor stars. Monthly Notices of the Royal Astronomical Society, 2020, 498, 3703-3712.	4.4	25
158	PHANGS-HST: new methods for star cluster identification in nearby galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 509, 4094-4127.	4.4	25
159	Strong Excess Faraday Rotation on the Inside of the Sagittarius Spiral Arm. Astrophysical Journal Letters, 2019, 887, L7.	8.3	24
160	Dense molecular gas properties on 100Âpc scales across the disc of NGCÂ3627. Monthly Notices of the Royal Astronomical Society, 2021, 506, 963-988.	4.4	24
161	Relations between Molecular Cloud Structure Sizes and Line Widths in the Large Magellanic Cloud. Astrophysical Journal, 2019, 885, 50.	4.5	24
162	The IMF as a function of supersonic turbulence. Monthly Notices of the Royal Astronomical Society, 2016, 462, 4171-4182.	4.4	23

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163	On the Detection of Supermassive Primordial Stars. Astrophysical Journal Letters, 2018, 869, L39.	8.3	23
164	Applying the Tremaineâ€“Weinberg Method to Nearby Galaxies: Stellar-mass-based Pattern Speeds and Comparisons with ISM Kinematics. Astronomical Journal, 2021, 161, 185.	4.7	23
165	On the resolution requirements for modelling molecular gas formation in solar neighbourhood conditions. Monthly Notices of the Royal Astronomical Society, 2019, 484, 1735-1755.	4.4	22
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