

Simon C O Glover

List of Publications by Year in descending order

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225
papers

13,787
citations

14655

66
h-index

29157

104
g-index

226
all docs

226
docs citations

226
times ranked

5220
citing authors

#	ARTICLE	IF	CITATIONS
1	The "Maggie" filament: Physical properties of a giant atomic cloud. <i>Astronomy and Astrophysics</i> , 2022, 657, A1.	5.1	8
2	PHANGS-MUSE: The H II region luminosity function of local star-forming galaxies. <i>Astronomy and Astrophysics</i> , 2022, 658, A188.	5.1	34
3	Planetary nebula luminosity function distances for 19 galaxies observed by PHANGS-MUSE. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 6087-6109.	4.4	15
4	The PHANGS-MUSE survey. <i>Astronomy and Astrophysics</i> , 2022, 659, A191.	5.1	96
5	A CO isotopologue Line Atlas within the Whirlpool galaxy Survey (CLAWS). <i>Astronomy and Astrophysics</i> , 2022, 662, A89.	5.1	9
6	Emission-line diagnostics of H II regions using conditional invertible neural networks. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 617-647.	4.4	8
7	The PHANGS-HST Survey: Physics at High Angular Resolution in Nearby Galaxies with the Hubble Space Telescope. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 10.	7.7	58
8	A tale of two DIGs: The relative role of H II regions and low-mass hot evolved stars in powering the diffuse ionised gas (DIG) in PHANGS-MUSE galaxies. <i>Astronomy and Astrophysics</i> , 2022, 659, A26.	5.1	51
9	Trapping of H II regions in Population III star formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 116-136.	4.4	16
10	The Gas Star Formation Cycle in Nearby Star-forming Galaxies. II. Resolved Distributions of CO and H ₂ Emission for 49 PHANGS Galaxies. <i>Astrophysical Journal</i> , 2022, 927, 9.	4.5	19
11	Low-J CO Line Ratios from Single-dish CO Mapping Surveys and PHANGS-ALMA. <i>Astrophysical Journal</i> , 2022, 927, 149.	4.5	46
12	Tracing stars in Milky Way satellites with α -sloth. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 934-950.	4.4	10
13	Is the molecular KS relationship universal down to low metallicities?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 4146-4165.	4.4	5
14	Fragmentation-induced starvation in Population III star formation: a resolution study. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 4019-4030.	4.4	17
15	Metal Mixing in Minihalos: The Descendants of Pair-instability Supernovae. <i>Astrophysical Journal</i> , 2022, 929, 119.	4.5	12
16	The Galactic dynamics revealed by the filamentary structure in atomic hydrogen emission. <i>Astronomy and Astrophysics</i> , 2022, 662, A96.	5.1	15
17	Linking stellar populations to H II regions across nearby galaxies. <i>Astronomy and Astrophysics</i> , 2022, 662, L6.	5.1	11
18	Effect of the cosmological transition to metal-enriched star formation on the hydrogen 21-cm signal. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 4433-4449.	4.4	18

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19	The signature of large-scale turbulence driving on the structure of the interstellar medium. Monthly Notices of the Royal Astronomical Society, 2022, 514, 3670-3684.	4.4	7
20	Molecular Cloud Populations in the Context of Their Host Galaxy Environments: A Multiwavelength Perspective. Astronomical Journal, 2022, 164, 43.	4.7	31
21	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
22	On the duration of the embedded phase of star formation. Monthly Notices of the Royal Astronomical Society, 2021, 504, 487-509.	4.4	61
23	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
24	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
25	FirstLight IV: diversity in sub-L* galaxies at cosmic dawn. Monthly Notices of the Royal Astronomical Society, 2021, 504, 4472-4480.	4.4	4
26	Star formation scaling relations at $\sim 1/4$ 100 pc from PHANGS: Impact of completeness and spatial scale. Astronomy and Astrophysics, 2021, 650, A134.	5.1	50
27	The Organization of Cloud-scale Gas Density Structure: High-resolution CO versus 3.6 μ m Brightness Contrasts in Nearby Galaxies. Astrophysical Journal, 2021, 913, 113.	4.5	10
28	Dense molecular gas properties on 100 \hat{A} pc scales across the disc of NGC 3627. Monthly Notices of the Royal Astronomical Society, 2021, 506, 963-988.	4.4	24
29	Simulations of the star-forming molecular gas in an interacting M51-like galaxy: cloud population statistics. Monthly Notices of the Royal Astronomical Society, 2021, 505, 5438-5459.	4.4	14
30	The filamentary structures in the CO emission toward the Milky Way disk. Astronomy and Astrophysics, 2021, 651, L4.	5.1	6
31	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
32	PHANGSâ€“ALMA Data Processing and Pipeline. Astrophysical Journal, Supplement Series, 2021, 255, 19.	7.7	79
33	Stellar structures, molecular gas, and star formation across the PHANGS sample of nearby galaxies. Astronomy and Astrophysics, 2021, 656, A133.	5.1	53
34	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
35	The 2D metallicity distribution and mixing scales of nearby galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 509, 1303-1322.	4.4	22
36	Comparing the pre-SNe feedback and environmental pressures for 6000 H α regions across 19 nearby spiral galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 508, 5362-5389.	4.4	27

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37	Pre-supernova feedback mechanisms drive the destruction of molecular clouds in nearby star-forming disc galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 272-288.	4.4	65
38	Globular Clusters and Streaming Velocities: Testing the New Formation Channel in High-resolution Cosmological Simulations. <i>Astrophysical Journal</i> , 2021, 922, 193.	4.5	8
39	PHANGS-ALMA: Arcsecond CO(2-1) Imaging of Nearby Star-forming Galaxies. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 43.	7.7	161
40	Bright, relatively isolated star clusters in PHANGS-HST galaxies: Aperture corrections, quantitative morphologies, and comparison with synthetic stellar population models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 510, 32-53.	4.4	16
41	Dynamically Driven Inflow onto the Galactic Center and its Effect upon Molecular Clouds. <i>Astrophysical Journal</i> , 2021, 922, 79.	4.5	16
42	PHANGS-HST: new methods for star cluster identification in nearby galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 4094-4127.	4.4	25
43	The lifecycle of molecular clouds in nearby star-forming disc galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 2872-2909.	4.4	178
44	The Cloud Factory I: Generating resolved filamentary molecular clouds from galactic-scale forces. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 1594-1613.	4.4	67
45	A minimum dilution scenario for supernovae and consequences for extremely metal-poor stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 3703-3712.	4.4	25
46	Measuring the mixing scale of the ISM within nearby spiral galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 193-209.	4.4	44
47	The role of galactic dynamics in shaping the physical properties of giant molecular clouds in Milky Way-like galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 385-429.	4.4	35
48	warpfield population synthesis: the physics of (extra-)Galactic star formation and feedback-driven cloud structure and emission from sub-to-kpc scales. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 3193-3214.	4.4	21
49	Shape and spin of minihaloes II. The effect of streaming velocities. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 4839-4852.	4.4	7
50	SPRAI-II: multifrequency radiative transfer for variable gas densities. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 3594-3609.	4.4	6
51	LEGO II. A 3mm molecular line study covering 100pc of one of the most actively star-forming portions within the Milky Way disc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 1972-2001.	4.4	30
52	Simulations of the Milky Way's Central Molecular Zone II. Star formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 5024-5040.	4.4	48
53	Less than the sum of its parts: the dust-corrected $H\alpha$ luminosity of star-forming galaxies explored at different spatial resolutions with MaNGA and MUSE. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 4205-4221.	4.4	9
54	Physical Processes in Star Formation. <i>Space Science Reviews</i> , 2020, 216, 1.	8.1	43

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55	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. <i>Astrophysical Journal</i> , 2020, 892, 73.	4.5	27
56	When Gas Dynamics Decouples from Galactic Rotation: Characterizing ISM Circulation in Disk Galaxies. <i>Astrophysical Journal</i> , 2020, 892, 94.	4.5	7
57	WARPFIELD-EMP: The self-consistent prediction of emission lines from evolving Hâ€“ii regions in dense molecular clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 339-363.	4.4	29
58	The headlight cloud in NGC 628: An extreme giant molecular cloud in a typical galaxy disk. <i>Astronomy and Astrophysics</i> , 2020, 634, A121.	5.1	32
59	Ubiquitous velocity fluctuations throughout the molecular interstellar medium. <i>Nature Astronomy</i> , 2020, 4, 1064-1071.	10.1	38
60	Formation sites of Populationâ€“III star formation: The effects of different levels of rotation and turbulence on the fragmentation behaviour of primordial gas. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 1871-1893.	4.4	52
61	Cloud formation in the atomic and molecular phase: Hâ€“I self absorption (HISA) towards a giant molecular filament. <i>Astronomy and Astrophysics</i> , 2020, 634, A139.	5.1	27
62	Simulations of the star-forming molecular gas in an interacting M51-like galaxy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 2973-2995.	4.4	51
63	Efficacy of early stellar feedback in low gas surface density environments. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 2088-2103.	4.4	28
64	Dynamical Equilibrium in the Molecular ISM in 28 Nearby Star-forming Galaxies. <i>Astrophysical Journal</i> , 2020, 892, 148.	4.5	88
65	The HI/OH/Recombination line survey of the inner Milky Way (THOR): data release 2 and Hâ€“I overview. <i>Astronomy and Astrophysics</i> , 2020, 634, A83.	5.1	52
66	Synthetic observations of spiral arm tracers of a simulated Milky Way analog. <i>Astronomy and Astrophysics</i> , 2020, 642, A201.	5.1	9
67	Dynamical cloud formation traced by atomic and molecular gas. <i>Astronomy and Astrophysics</i> , 2020, 638, A44.	5.1	16
68	The history of dynamics and stellar feedback revealed by the Hâ€“I filamentary structure in the disk of the Milky Way. <i>Astronomy and Astrophysics</i> , 2020, 642, A163.	5.1	29
69	Simulations of the Milky Wayâ€™s central molecular zone â€“ I. Gas dynamics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 4455-4478.	4.4	57
70	The Cloud Factory II: gravoturbulent kinematics of resolved molecular clouds in a galactic potential. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 5268-5296.	4.4	9
71	PHANGS CO Kinematics: Disk Orientations and Rotation Curves at 150 pc Resolution. <i>Astrophysical Journal</i> , 2020, 897, 122.	4.5	77
72	A SOFIA Survey of [C ii] in the Galaxy M51. II. [C ii] and CO Kinematics across the Spiral Arms. <i>Astrophysical Journal</i> , 2020, 900, 132.	4.5	6

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73	Molecular Gas Properties on Cloud Scales across the Local Star-forming Galaxy Population. <i>Astrophysical Journal Letters</i> , 2020, 901, L8.	8.3	85
74	Atomic and molecular gas properties during cloud formation. <i>Astronomy and Astrophysics</i> , 2020, 642, A68.	5.1	10
75	Unusual Galactic H ii Regions at the Intersection of the Central Molecular Zone and the Far Dust Lane. <i>Astrophysical Journal</i> , 2020, 901, 51.	4.5	4
76	Titans of the early Universe: The Prato statement on the origin of the first supermassive black holes. <i>Publications of the Astronomical Society of Australia</i> , 2019, 36, .	3.4	114
77	The geometry of the gas surrounding the Central Molecular Zone: on the origin of localized molecular clouds with extreme velocity dispersions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 4663-4673.	4.4	28
78	On the detection of supermassive primordial stars – II. Blue supergiants. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 3995-4003.	4.4	19
79	warfield 2.0: feedback-regulated minimum star formation efficiencies of giant molecular clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 2547-2560.	4.4	52
80	Observational constraints on the survival of pristine stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 486-490.	4.4	28
81	Tracing the formation of molecular clouds via $[C\text{II}]$, $[C\text{I}]$, and CO emission. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 4622-4637.	4.4	53
82	Non-equilibrium chemistry and destruction of CO by X-ray flares. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 1094-1122.	4.4	21
83	The influence of streaming velocities on the formation of the first stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 3510-3521.	4.4	64
84	On the resolution requirements for modelling molecular gas formation in solar neighbourhood conditions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 1735-1755.	4.4	22
85	FirstLight III: rest-frame UV-optical spectral energy distributions of simulated galaxies at cosmic dawn. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 1366-1377.	4.4	26
86	Dense gas is not enough: environmental variations in the star formation efficiency of dense molecular gas at 100 pc scales in M 51. <i>Astronomy and Astrophysics</i> , 2019, 625, A19.	5.1	47
87	Feedback in W49A diagnosed with radio recombination lines and models. <i>Astronomy and Astrophysics</i> , 2019, 622, A48.	5.1	20
88	Histogram of oriented gradients: a technique for the study of molecular cloud formation. <i>Astronomy and Astrophysics</i> , 2019, 622, A166.	5.1	30
89	Strong Excess Faraday Rotation on the Inside of the Sagittarius Spiral Arm. <i>Astrophysical Journal Letters</i> , 2019, 887, L7.	8.3	24
90	Mapping Metallicity Variations across Nearby Galaxy Disks. <i>Astrophysical Journal</i> , 2019, 887, 80.	4.5	103

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91	OH maser emission in the THOR survey of the northern Milky Way. <i>Astronomy and Astrophysics</i> , 2019, 628, A90.	5.1	20
92	The Gas Star Formation Cycle in Nearby Star-forming Galaxies. I. Assessment of Multi-scale Variations. <i>Astrophysical Journal</i> , 2019, 887, 49.	4.5	57
93	Relations between Molecular Cloud Structure Sizes and Line Widths in the Large Magellanic Cloud. <i>Astrophysical Journal</i> , 2019, 885, 50.	4.5	24
94	Mapping Electron Temperature Variations across a Spiral Arm in NGC 1672. <i>Astrophysical Journal Letters</i> , 2019, 885, L31.	8.3	17
95	CO line ratios in molecular clouds: the impact of environment. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 1508-1520.	4.4	30
96	The parsec scale relationship between CO and AV in local molecular clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 4672-4708.	4.4	16
97	A theoretical explanation for the Central Molecular Zone asymmetry. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 2383-2402.	4.4	64
98	sprai: coupling of radiative feedback and primordial chemistry in moving mesh hydrodynamics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 2822-2834.	4.4	13
99	Forming clusters within clusters: how 30 Doradus recollapsed and gave birth again. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2018, 473, L11-L15.	3.3	29
100	A dynamical mechanism for the origin of nuclear rings. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 2-19.	4.4	38
101	OH absorption in the first quadrant of the Milky Way as seen by THOR. <i>Astronomy and Astrophysics</i> , 2018, 618, A159.	5.1	20
102	The SILCC project V. The impact of magnetic fields on the chemistry and the formation of molecular clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 3511-3540.	4.4	42
103	Do Spectroscopic Dense Gas Fractions Track Molecular Cloud Surface Densities?. <i>Astrophysical Journal Letters</i> , 2018, 868, L38.	8.3	27
104	On the Detection of Supermassive Primordial Stars. <i>Astrophysical Journal Letters</i> , 2018, 869, L39.	8.3	23
105	A SOFIA Survey of [C ii] in the Galaxy M51. I. [C ii] as a Tracer of Star Formation. <i>Astrophysical Journal Letters</i> , 2018, 869, L30.	8.3	14
106	Shape and spin of minihaloes: from large scales to the centres. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 3266-3277.	4.4	6
107	Synthetic [C ii] emission maps of a simulated molecular cloud in formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 4277-4299.	4.4	25
108	<sc>Phantom</sc>: A Smoothed Particle Hydrodynamics and Magnetohydrodynamics Code for Astrophysics. <i>Publications of the Astronomical Society of Australia</i> , 2018, 35, .	3.4	267

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109	Predicting the locations of possible long-lived low-mass first stars: importance of satellite dwarf galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 5308-5323.	4.4	47
110	Descendants of the first stars: the distinct chemical signature of second-generation stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 1795-1810.	4.4	77
111	Radio continuum emission in the northern Galactic plane: Sources and spectral indices from the THOR survey. <i>Astronomy and Astrophysics</i> , 2018, 619, A124.	5.1	32
112	The turbulent life of dust grains in the supernova-driven, multiphase interstellar medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 467, 4322-4342.	4.4	13
113	Using CO line ratios to trace the physical properties of molecular clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 2277-2285.	4.4	36
114	Galactic supernova remnant candidates discovered by THOR. <i>Astronomy and Astrophysics</i> , 2017, 605, A58.	5.1	63
115	How the First Stars Regulated Star Formation. II. Enrichment by Nearby Supernovae. <i>Astrophysical Journal</i> , 2017, 844, 111.	4.5	25
116	The Survey of Lines in M31 (SLIM): The Drivers of the [C ii]/TIR Variation. <i>Astrophysical Journal</i> , 2017, 842, 128.	4.5	12
117	A simple method to convert sink particles into stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 407-412.	4.4	42
118	The SILCC project â€“ III. Regulation of star formation and outflows by stellar winds and supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 1903-1924.	4.4	149
119	The SILCC project â€“ IV. Impact of dissociating and ionizing radiation on the interstellar medium and H α emission as a tracer of the star formation rate. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 3293-3308.	4.4	86
120	grackle: a chemistry and cooling library for astrophysics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 2217-2234.	4.4	201
121	Introducing the FirstLight project: UV luminosity function and scaling relations of primeval galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 2791-2798.	4.4	52
122	Winds and radiation in unison: a new semi-analytic feedback model for cloud dissolution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 4453-4472.	4.4	102
123	The formation of direct collapse black holes under the influence of streaming velocities. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 4878-4884.	4.4	70
124	New ALMA constraints on the star-forming interstellar medium at low metallicity: a 50 kpc view of the blue compact dwarf galaxy SBS 0335-052. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2017, 468, L87-L91.	3.3	12
125	SILCC-Zoom: the dynamic and chemical evolution of molecular clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 4797-4818.	4.4	89
126	Effects of binary stellar populations on direct collapse black hole formation. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2017, 468, L82-L86.	3.3	6

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127	The impact of magnetic fields on the chemical evolution of the supernova-driven ISM. Monthly Notices of the Royal Astronomical Society, 2017, 465, 4611-4633.	4.4	12
128	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
129	Lyman- α Werner escape fractions from the first galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 467, 2288-2300.	4.4	29
130	The HI/OH/Recombination line survey of the inner Milky Way (THOR). Astronomy and Astrophysics, 2016, 595, A32.	5.1	118
131	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
132	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
133	Synthetic observations of molecular clouds in a galactic centre environment - I. Studying maps of column density and integrated intensity. Monthly Notices of the Royal Astronomical Society, 2016, 455, 3763-3778.	4.4	16
134	Exploring the nature of the Lyman- α emitter CR7. Monthly Notices of the Royal Astronomical Society, 2016, 462, 2184-2202.	4.4	38
135	THE ROLE OF COSMIC-RAY PRESSURE IN ACCELERATING GALACTIC OUTFLOWS. Astrophysical Journal Letters, 2016, 827, L29.	8.3	113
136	CO-dark gas and molecular filaments in Milky Way-type galaxies - II. The temperature distribution of the gas. Monthly Notices of the Royal Astronomical Society, 2016, 462, 3011-3025.	4.4	35
137	A new statistical model for Population III supernova rates: discriminating between Λ CDM and WDM cosmologies. Monthly Notices of the Royal Astronomical Society, 2016, 462, 3591-3601.	4.4	35
138	The IMF as a function of supersonic turbulence. Monthly Notices of the Royal Astronomical Society, 2016, 462, 4171-4182.	4.4	23
139	The SILCC (Simulating the LifeCycle of molecular Clouds) project - 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
140	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
141	How well does CO emission measure the H_2 mass of MCs?. Monthly Notices of the Royal Astronomical Society, 2016, 460, 82-102.	4.4	33
142	On the nature of star-forming filaments - II. Subfilaments and velocities. Monthly Notices of the Royal Astronomical Society, 2016, 455, 3640-3655.	4.4	96
143	LAUNCHING COSMIC-RAY-DRIVEN OUTFLOWS FROM THE MAGNETIZED INTERSTELLAR MEDIUM. Astrophysical Journal Letters, 2016, 816, L19.	8.3	163
144	Physical Processes in the Interstellar Medium. Saas-Fee Advanced Course, 2016, , 85-249.	1.1	126

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145	Continuum sources from the THOR survey between 1 and 2â€‰GHz. <i>Astronomy and Astrophysics</i> , 2016, 588, A97.	5.1	41
146	IMPACT OF SUPERNOVA AND COSMIC-RAY DRIVING ON THE SURFACE BRIGHTNESS OF THE GALACTIC HALO IN SOFT X-RAYS. <i>Astrophysical Journal Letters</i> , 2015, 813, L27.	8.3	20
147	THOR: The Hâ€‰i, OH, Recombination line survey of the Milky Way. <i>Astronomy and Astrophysics</i> , 2015, 580, A112.	5.1	51
148	Does the CO-to-H ₂ conversion factor depend on the star formation rate?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 2057-2070.	4.4	41
149	The SILCC (Simulating the LifeCycle of molecular Clouds) project â€” I. Chemical evolution of the supernova-driven ISM. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 246-276.	4.4	255
150	TOPoS. <i>Astronomy and Astrophysics</i> , 2015, 579, A28.	5.1	141
151	Star formation efficiencies of molecular clouds in a galactic centre environment. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 3679-3692.	4.4	21
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