Jonathan C Tan

List of Publications by Year
in descending order

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151 papers	7,052 citations	71102 41 h-index	64796 79 g-index
152 all docs	152 docs citations	152 times ranked	3504 citing authors

#	Article	IF	Citations
1	Negative and positive feedback from a supernova remnant with SHREC: a detailed study of the shocked gas in IC443. Monthly Notices of the Royal Astronomical Society, 2022, 511, 953-963.	4.4	8
2	NIR jets from a clustered region of massive star formation. Astronomy and Astrophysics, 2022, 659, A23.	5.1	2
3	Insideâ€“out planet formation: VI. oligarchic coagulation of planetesimals from a pebble ring?. Monthly Notices of the Royal Astronomical Society, 2022, 510, 5486-5499.	4.4	6
4	Astrochemical modelling of infrared dark clouds. Astronomy and Astrophysics, 2022, 662, A39.	5.1	5
5	Vibrationally Excited Lines of HC₃N Associated with the Molecular Disk around the G24.78+0.08 A1 Hypercompact H ii Region. Astrophysical Journal, 2022, 931, 99.	4.5	3
6	Star cluster formation in Orion A. Publication of the Astronomical Society of Japan, 2021, 73, S239-S255.	2.5	11
7	Deuterium chemodynamics of massive pre-stellar cores. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1104-1127.	4.4	5
8	Carbon Chain Chemistry in Hot-core Regions around Three Massive Young Stellar Objects Associated with 6.7 GHz Methanol Masers. Astrophysical Journal, 2021, 908, 100.	4.5	5
9	ALMAâ€“IRDC: dense gas mass distribution from cloud to core scales. Monthly Notices of the Royal Astronomical Society, 2021, 503, 4601-4626.	4.4	16
10	ALMAâ€“IRDC â€“ II. First high-angular resolution measurements of the 14N/15N ratio in a large sample of infrared-dark cloud cores. Monthly Notices of the Royal Astronomical Society, 2021, 503, 4320-4335.	4.4	6
11	The Hi-GAL compact source catalogue â€“ II. The 360Â° catalogue of clump physical properties. Monthly Notices of the Royal Astronomical Society, 2021, 504, 2742-2766.	4.4	45
12	MRI-active inner regions of protoplanetary discs. I. A detailed model of disc structure. Monthly Notices of the Royal Astronomical Society, 2021, 504, 280-299.	4.4	15
13	The Core Mass Function across Galactic Environments. III. Massive Protoclusters. Astrophysical Journal, 2021, 916, 45.	4.5	8
14	Star Formation in a Strongly Magnetized Cloud. Astrophysical Journal, 2021, 916, 78.	4.5	4
15	Photodissociation region diagnostics across galactic environments. Monthly Notices of the Royal Astronomical Society, 2021, 502, 2701-2732.	4.4	29
16	SiO Outflows as Tracers of Massive Star Formation in Infrared Dark Clouds. Astrophysical Journal, 2021, 921, 96.	4.5	8
17	Is There Any Linkage between Interstellar Aldehyde and Alcohol?. Astrophysical Journal, 2021, 922, 194.	4.5	8
18	MRI-active inner regions of protoplanetary discs â€“ II. Dependence on dust, disc, and stellar parameters. Monthly Notices of the Royal Astronomical Society, 2021, 509, 5974-5991.	4.4	2

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19	The High-mass Protostellar Population of a Massive Infrared Dark Cloud. Astrophysical Journal, 2020, 897, 136.	4.5	10
20	SiO emission as a probe of cloudâ€“cloud collisions in infrared dark clouds. Monthly Notices of the Royal Astronomical Society, 2020, 499, 1666-1681.	4.4	13
21	Gas Kinematics of the Massive Protocluster G286.21+0.17 Revealed by ALMA. Astrophysical Journal, 2020, 894, 87.	4.5	9
22	HST Survey of the Orion Nebula Cluster in the H₂O 1.4 Î¼m Absorption Band. I. A Census of Substellar and Planetary-mass Objects. Astrophysical Journal, 2020, 896, 79.	4.5	11
23	Stellar Variability in a Forming Massive Star Cluster. Astrophysical Journal, 2020, 897, 51.	4.5	4
24	GMC Collisions as Triggers of Star Formation. VII. The Effect of Magnetic Field Strength on Star Formation. Astrophysical Journal, 2020, 891, 168.	4.5	14
25	Hunting for Runaways from the Orion Nebula Cluster. Astrophysical Journal, 2020, 900, 14.	4.5	23
26	The SOFIA Massive (SOMA) Star Formation Survey. III. From Intermediate- to High-mass Protostars. Astrophysical Journal, 2020, 904, 75.	4.5	12
27	An X-Ray View of Two Infrared Dark Clouds G034.43+00.24 and G035.39â^'00.33. Astrophysical Journal, 2020, 905, 78.	4.5	2
28	Salt, Hot Water, and Silicon Compounds Tracing Massive Twin Disks. Astrophysical Journal Letters, 2020, 900, L2.	8.3	26
29	Measuring the ionisation fraction in a jet from a massive protostar. Nature Communications, 2019, 10, 3630.	12.8	15
30	Interstellar Plunging Waves: ALMA Resolves the Physical Structure of Nonstationary MHD Shocks. Astrophysical Journal Letters, 2019, 881, L42.	8.3	14
31	Star cluster formation from turbulent clumps. II. Gradual star cluster formation. Monthly Notices of the Royal Astronomical Society, 2019, 483, 4999-5019.	4.4	10
32	Multicomponent Kinematics in a Massive Filamentary Infrared Dark Cloud. Astrophysical Journal, 2019, 872, 30.	4.5	14
33	An Ordered Envelopeâ€“Disk Transition in the Massive Protostellar Source G339.88-1.26. Astrophysical Journal, 2019, 873, 73.	4.5	21
34	Widespread Molecular Outflows in the Infrared Dark Cloud G28.37+0.07: Indications of Orthogonal Outflow-filament Alignment. Astrophysical Journal, 2019, 874, 104.	4.5	34
35	The formation of supermassive black holes from Population III.1 seeds. I. Cosmic formation histories and clustering properties. Monthly Notices of the Royal Astronomical Society, 2019, 483, 3592-3606.	4.4	11
36	Dynamics of a massive binary at birth. Nature Astronomy, 2019, 3, 517-523.	10.1	21

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37	The SOFIA Massive (SOMA) Star Formation Survey. II. High Luminosity Protostars. Astrophysical Journal, 2019, 874, 16.	4.5	16
38	The SOMA Radio Survey. I. Comprehensive SEDs of High-mass Protostars from Infrared to Radio and the Emergence of Ionization Feedback. Astrophysical Journal, 2019, 873, 20.	4.5	9
39	Disk Wind Feedback from High-mass Protostars. Astrophysical Journal, 2019, 882, 123.	4.5	10
40	Discovery of a Photoionized Bipolar Outflow toward the Massive Protostar G45.47+0.05. Astrophysical Journal Letters, 2019, 886, L4.	8.3	10
41	Inside-out Planet Formation. IV. Pebble Evolution and Planet Formation Timescales. Astrophysical Journal, 2018, 857, 20.	4.5	37
42	Radiation Transfer of Models of Massive Star Formation. IV. The Model Grid and Spectral Energy Distribution Fitting. Astrophysical Journal, 2018, 853, 18.	4.5	39
43	The Core Mass Function in the Massive Protocluster G286.21+0.17 Revealed by ALMA. Astrophysical Journal, 2018, 853, 160.	4.5	42
44	Similar complex kinematics within two massive, filamentary infrared dark clouds. Monthly Notices of the Royal Astronomical Society, 2018, 475, 5268-5289.	4.4	16
45	IN-SYNC. VIII. Primordial Disk Frequencies in NGC 1333, IC 348, and the Orion A Molecular Cloud. Astrophysical Journal, 2018, 869, 72.	4.5	14
46	Chemo-kinematics of the Milky Way from the SDSS-III MARVELS survey. Monthly Notices of the Royal Astronomical Society, 2018, 481, 3244-3265.	4.4	24
47	The Core Mass Function across Galactic Environments. II. Infrared Dark Cloud Clumps. Astrophysical Journal, 2018, 862, 105.	4.5	38
48	On the formation of runaway stars BN and x in the Orion Nebula Cluster. Astronomy and Astrophysics, 2018, 612, L7.	5.1	13
49	Multiple Feedback in Low-Metallicity Massive Star Formation. Proceedings of the International Astronomical Union, 2018, 14, 190-194.	0.0	0
50	Giant molecular cloud collisions as triggers of star formation. VI. Collision-induced turbulence. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	17
51	Zooming in to Massive Star Birth. Astrophysical Journal, 2018, 867, 94.	4.5	20
52	Inside-out Planet Formation. V. Structure of the Inner Disk as Implied by the MRI. Astrophysical Journal, 2018, 861, 144.	4.5	16
53	Search for high-mass protostars with ALMA revealed up to kilo-parsec scales (SPARKS). Astronomy and Astrophysics, 2018, 617, A89.	5.1	39
54	The interstellar medium and star formation of galactic disks. I. Interstellar medium and giant molecular cloud properties with diffuse far-ultraviolet and cosmic-ray backgrounds. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	11

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55	The Impact of Feedback in Massive Star Formation. II. Lower Star Formation Efficiency at Lower Metallicity. Astrophysical Journal, 2018, 861, 68.	4.5	22
56	Core Emergence in a Massive Infrared Dark Cloud: A Comparison between Mid-IR Extinction and 1.3 mm Emission. Astrophysical Journal Letters, 2018, 855, L25.	8.3	8
57	The inception of star cluster formation revealed by [Câ€‰<scp>ii</scp>] emission around an Infrared Dark Cloud. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 478, L54-L59.	3.3	17
58	Subsonic islands within a high-mass star-forming infrared dark cloud. Astronomy and Astrophysics, 2018, 611, L3.	5.1	20
59	Fragmentation properties of massive protocluster gas clumps: an ALMA study. Astronomy and Astrophysics, 2018, 615, A94.	5.1	24
60	A HUNT FOR MASSIVE STARLESS CORES. Astrophysical Journal, 2017, 834, 193.	4.5	42
61	THE IMPACT OF FEEDBACK DURING MASSIVE STAR FORMATION BY CORE ACCRETION. Astrophysical Journal, 2017, 835, 32.	4.5	57
62	GMC Collisions as Triggers of Star Formation. II. 3D Turbulent, Magnetized Simulations. Astrophysical Journal, 2017, 835, 137.	4.5	57
63	Unveiling the early-stage anatomy of a protocluster hub with ALMA. Monthly Notices of the Royal Astronomical Society: Letters, 2017, 464, L31-L35.	3.3	40
64	GMC Collisions as Triggers of Star Formation. III. Density and Magnetically Regulated Star Formation. Astrophysical Journal, 2017, 841, 88.	4.5	53
65	Kiloparsec-scale Simulations of Star Formation in Disk Galaxies. IV. Regulation of Galactic Star Formation Rates by Stellar Feedback. Astrophysical Journal, 2017, 841, 82.	4.5	18
66	New Evidence for the Dynamical Decay of a Multiple System in the Orion Kleinmannâ€“Low Nebula*. Astrophysical Journal Letters, 2017, 838, L3.	8.3	27
67	GMC Collisions as Triggers of Star Formation. IV. The Role of Ambipolar Diffusion. Astrophysical Journal, 2017, 848, 50.	4.5	8
68	Star Cluster Formation from Turbulent Clumps. I. The Fast Formation Limit. Astrophysical Journal, 2017, 838, 116.	4.5	11
69	GMC Collisions as Triggers of Star Formation. V. Observational Signatures. Astrophysical Journal, 2017, 850, 23.	4.5	43
70	IN-SYNC VI. Identification and Radial Velocity Extraction for 100+ Double-Lined Spectroscopic Binaries in the APOGEE/IN-SYNC Fields. Publications of the Astronomical Society of the Pacific, 2017, 129, 084201.	3.1	22
71	The SOFIA Massive (SOMA) Star Formation Survey. I. Overview and First Results. Astrophysical Journal, 2017, 843, 33.	4.5	47
72	IN-SYNC. V. Stellar Kinematics and Dynamics in the Orion A Molecular Cloud. Astrophysical Journal, 2017, 845, 105.	4.5	40

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73	The Stellar Content of the Infalling Molecular Clump G286.21+0.17. Astrophysical Journal, 2017, 850, 12.	4.5	9
74	IN-SYNC. VII. Evidence for a Decreasing Spectroscopic Binary Fraction (from 1 to 100 Myr) within the IN-SYNC Sample. Astrophysical Journal, 2017, 851, 14.	4.5	5
75	Temperature structure and kinematics of the IRDC G035.39â€“00.33. Astronomy and Astrophysics, 2017, 606, A133.	5.1	24
76	ALMA survey of massive cluster progenitors from ATLASGAL. Astronomy and Astrophysics, 2017, 600, L10.	5.1	53
77	Fire from Ice - Massive Star Birth from Infrared Dark Clouds. Proceedings of the International Astronomical Union, 2017, 13, 139-152.	0.0	1
78	Outflow-confined H ii Regions. II. The Early Break-out Phase. Astrophysical Journal, 2017, 849, 133.	4.5	8
79	MID-J CO SHOCK TRACING OBSERVATIONS OF INFRARED DARK CLOUDS. III. SLED FITTING. Astrophysical Journal, 2016, 827, 107.	4.5	12
80	Mid-JCO shock tracing observations of infrared dark clouds. Astronomy and Astrophysics, 2016, 587, A96.	5.1	14
81	INSIDE-OUT PLANET FORMATION. III. PLANETâ€“DISK INTERACTION AT THE DEAD ZONE INNER BOUNDARY. Astrophysical Journal, 2016, 816, 19.	4.5	49
82	IN-SYNC. IV. THE YOUNG STELLAR POPULATION IN THE ORION A MOLECULAR CLOUD. Astrophysical Journal, 2016, 818, 59.	4.5	82
83	THE DEUTERIUM FRACTION IN MASSIVE STARLESS CORES AND DYNAMICAL IMPLICATIONS. Astrophysical Journal, 2016, 821, 94.	4.5	37
84	AN ORDERED BIPOLAR OUTFLOW FROM A MASSIVE EARLY-STAGE CORE. Astrophysical Journal Letters, 2016, 821, L3.	8.3	57
85	OUTFLOW-CONFINED H ii REGIONS. I. FIRST SIGNPOSTS OF MASSIVE STAR FORMATION. Astrophysical Journal, 2016, 818, 52.	4.5	50
86	STRUCTURE, DYNAMICS, AND DEUTERIUM FRACTIONATION OF MASSIVE PRE-STELLAR CORES. Astrophysical Journal, 2016, 833, 274.	4.5	9
87	Widespread deuteration across the IRDC G035.39â”00.33. Monthly Notices of the Royal Astronomical Society, 2016, 458, 1990-1998.	4.4	24
88	Magnetically regulated fragmentation of a massive, dense, and turbulent clump. Astronomy and Astrophysics, 2016, 593, L14.	5.1	31
89	THE DISTRIBUTION OF MASS SURFACE DENSITIES IN A HIGH-MASS PROTOCLUSTER. Astrophysical Journal Letters, 2016, 829, L19.	8.3	26
90	GMC COLLISIONS AS TRIGGERS OF STAR FORMATION. I. PARAMETER SPACE EXPLORATION WITH 2D SIMULATIONS. Astrophysical Journal, 2015, 811, 56.	4.5	37

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91	SPECTROSCOPIC INFRARED EXTINCTION MAPPING AS A PROBE OF GRAIN GROWTH IN IRDCs. Astrophysical Journal, 2015, 814, 28.	4.5	5
92	Mid-JCO shock tracing observations of infrared dark clouds. I.. Astronomy and Astrophysics, 2015, 577, A75.	5.1	12
93	Deuteration and evolution in the massive star formation process. Astronomy and Astrophysics, 2015, 575, A87.	5.1	53
94	Comparison of Low-Mass and High-Mass Star Formation. Proceedings of the International Astronomical Union, 2015, 11, 154-162.	0.0	2
95	An Overview of Inside-Out Planet Formation. Proceedings of the International Astronomical Union, 2015, 11, 6-13.	0.0	4
96	THE GIANT MOLECULAR CLOUD ENVIRONMENTS OF INFRARED DARK CLOUDS. Astrophysical Journal, 2015, 809, 154.	4.5	29
97	MAGNETIC FIELDS IN HIGH-MASS INFRARED DARK CLOUDS. Astrophysical Journal, 2015, 799, 74.	4.5	133
98	IN-SYNC. II. VIRIAL STARS FROM SUBVIRIAL CORESâ€"THE VELOCITY DISPERSION OF EMBEDDED PRE-MAIN-SEQUENCE STARS IN NGC 1333. Astrophysical Journal, 2015, 799, 136.	4.5	88
99	VULCAN PLANETS: INSIDE-OUT FORMATION OF THE INNERMOST SUPER-EARTHS. Astrophysical Journal Letters, 2015, 798, L32.	8.3	59
100	THE STRUCTURAL EVOLUTION OF FORMING AND EARLY STAGE STAR CLUSTERS. Astrophysical Journal, 2015, 798, 126.	4.5	20
101	MAGNETIC FIELDS AND GALACTIC STAR FORMATION RATES. Astrophysical Journal Letters, 2015, 800, L11.	8.3	9
102	ENVIRONMENT AND PROTOSTELLAR EVOLUTION. Astrophysical Journal Letters, 2015, 802, L15.	8.3	17
103	KILOPARSEC-SCALE SIMULATIONS OF STAR FORMATION IN DISK GALAXIES. III. STRUCTURE AND DYNAMICS OF FILAMENTS AND CLUMPS IN GIANT MOLECULAR CLOUDS. Astrophysical Journal, 2015, 805, 1.	4.5	23
104	THE DEUTERIUM FRACTIONATION TIMESCALE IN DENSE CLOUD CORES: A PARAMETER SPACE EXPLORATION. Astrophysical Journal, 2015, 804, 98.	4.5	60
105	IN-SYNC. III. THE DYNAMICAL STATE OF IC 348â€"A SUPER-VIRIAL VELOCITY DISPERSION AND A PUZZLING SIGN OF CONVERGENCE. Astrophysical Journal, 2015, 807, 27.	4.5	48
106	THE STRUCTURE, DYNAMICS, AND STAR FORMATION RATE OF THE ORION NEBULA CLUSTER. Astrophysical Journal, 2014, 795, 55.	4.5	60
107	The dynamical properties of dense filaments in the infrared dark cloud G035.39â˜'00.33â˜.... Monthly Notices of the Royal Astronomical Society, 2014, 440, 2860-2881.	4.4	99
108	Gas kinematics and excitation in the filamentary IRDC G035.39-00.33. Monthly Notices of the Royal Astronomical Society, 2014, 439, 1996-2013.	4.4	44

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109	INSIDE-OUT PLANET FORMATION. Astrophysical Journal, 2014, 780, 53.	4.5	175
110	IN-SYNC I: HOMOGENEOUS STELLAR PARAMETERS FROM HIGH-RESOLUTION APOGEE SPECTRA FOR THOUSANDS OF PRE-MAIN SEQUENCE STARS. Astrophysical Journal, 2014, 794, 125.	4.5	77
111	THE DARKEST SHADOWS: DEEP MID-INFRARED EXTINCTION MAPPING OF A MASSIVE PROTOCLUSTER. Astrophysical Journal Letters, 2014, 782, L30.	8.3	36
112	A TEST OF STAR FORMATION LAWS IN DISK GALAXIES. II. DEPENDENCE ON DYNAMICAL PROPERTIES. Astrophysical Journal, 2014, 787, 68.	4.5	23
113	RADIATION TRANSFER OF MODELS OF MASSIVE STAR FORMATION. III. THE EVOLUTIONARY SEQUENCE. Astrophysical Journal, 2014, 788, 166.	4.5	40
114	FAR-INFRARED EXTINCTION MAPPING OF INFRARED DARK CLOUDS. Astrophysical Journal Letters, 2014, 780, L29.	8.3	12
115	Pebble Delivery for Inside-Out Planet Formation. Proceedings of the International Astronomical Union, 2014, 9, 66-69.	0.0	2
116	THE DYNAMICS OF MASSIVE STARLESS CORES WITH ALMA. Astrophysical Journal, 2013, 779, 96.	4.5	113
117	Complex, quiescent kinematics in a highly filamentary infrared dark cloudâ˜…. Monthly Notices of the Royal Astronomical Society, 2013, 428, 3425-3442.	4.4	76
118	RADIATION TRANSFER OF MODELS OF MASSIVE STAR FORMATION. II. EFFECTS OF THE OUTFLOW. Astrophysical Journal, 2013, 766, 86.	4.5	29
119	A MASSIVE PROTOSTAR FORMING BY ORDERED COLLAPSE OF A DENSE, MASSIVE CORE. Astrophysical Journal, 2013, 767, 58.	4.5	30
120	THE GALACTIC CENSUS OF HIGH- AND MEDIUM-MASS PROTOSTARS. II. LUMINOSITIES AND EVOLUTIONARY STATES OF A COMPLETE SAMPLE OF DENSE GAS CLUMPS. Astrophysical Journal, 2013, 779, 79.	4.5	37
121	High-dynamic-range extinction mapping of infrared dark clouds. Astronomy and Astrophysics, 2013, 549, A53.	5.1	114
122	KILOPARSEC-SCALE SIMULATIONS OF STAR FORMATION IN DISK GALAXIES. I. THE UNMAGNETIZED AND ZERO-FEEDBACK LIMIT. Astrophysical Journal, 2013, 764, 36.	4.5	26
123	GRAVITATIONAL SLINGSHOT OF YOUNG MASSIVE STARS IN ORION. Astrophysical Journal, 2012, 754, 152.	4.5	30
124	A VIRIALIZED FILAMENTARY INFRARED DARK CLOUD. Astrophysical Journal Letters, 2012, 756, L13.	8.3	30
125	Molecular Clouds: Internal Properties, Turbulence, Star Formation and Feedback. Proceedings of the International Astronomical Union, 2012, 8, 19-28.	0.0	4
126	MID-INFRARED EXTINCTION MAPPING OF INFRARED DARK CLOUDS. II. THE STRUCTURE OF MASSIVE STARLESS CORES AND CLUMPS. Astrophysical Journal, 2012, 754, 5.	4.5	135

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127	MAPPING LARGE-SCALE CO DEPLETION IN A FILAMENTARY INFRARED DARK CLOUD. Astrophysical Journal, 2011, 738, 11.	4.5	70
128	THE DYNAMICAL STATE OF FILAMENTARY INFRARED DARK CLOUDS. Astrophysical Journal, 2011, 730, 44.	4.5	32
129	RADIATION TRANSFER OF MODELS OF MASSIVE STAR FORMATION. I. DEPENDENCE ON BASIC CORE PROPERTIES. Astrophysical Journal, 2011, 733, 55.	4.5	41
130	Deuteration as an evolutionary tracer in massive-star formation. Astronomy and Astrophysics, 2011, 529, L7.	5.1	99
131	Collapse, outflows and fragmentation of massive, turbulent and magnetized prestellar barotropic cores. Astronomy and Astrophysics, 2011, 528, A72.	5.1	156
132	THE GALACTIC CENSUS OF HIGH- AND MEDIUM-MASS PROTOSTARS. I. CATALOGS AND FIRST RESULTS FROM MOPRA HCO ⁺ MAPS. Astrophysical Journal, Supplement Series, 2011, 196, 12.	7.7	57
133	Star Formation and the Properties of Giant Molecular Clouds in Global Simulations. Proceedings of the International Astronomical Union, 2010, 6, 377-380.	0.0	0
134	Protostellar Feedback Processes and the Mass of the First Stars. , 2010, , .		1
135	A TEST OF STAR FORMATION LAWS IN DISK GALAXIES. Astrophysical Journal Letters, 2010, 710, L88-L91.	8.3	24
136	Parsec-scale SiO emission in an infrared dark cloud. Monthly Notices of the Royal Astronomical Society, 2010, 406, 187-196.	4.4	108
137	STAR FORMATION IN DISK GALAXIES. I. FORMATION AND EVOLUTION OF GIANT MOLECULAR CLOUDS VIA GRAVITATIONAL INSTABILITY AND CLOUD COLLISIONS. Astrophysical Journal, 2009, 700, 358-375.	4.5	235
138	MID-INFRARED EXTINCTION MAPPING OF INFRARED DARK CLOUDS: PROBING THE INITIAL CONDITIONS FOR MASSIVE STARS AND STAR CLUSTERS. Astrophysical Journal, 2009, 696, 484-497.	4.5	106
139	Star Formation at Zero and Very Low Metallicities. AIP Conference Proceedings, 2008, , .	0.4	4
140	Population III.1 stars: formation, feedback and evolution of the IMF. Proceedings of the International Astronomical Union, 2008, 4, 24-32.	0.0	2
141	The Formation of the First Stars. II. Radiative Feedback Processes and Implications for the Initial Mass Function. Astrophysical Journal, 2008, 681, 771-797.	4.5	211
142	Slow Star Formation in Dense Gas: Evidence and Implications. Astrophysical Journal, 2007, 654, 304-315.	4.5	521
143	Massive star and star cluster formation. Proceedings of the International Astronomical Union, 2006, 2, 258-264.	0.0	0
144	Equilibrium Star Cluster Formation. Astrophysical Journal, 2006, 641, L121-L124.	4.5	190

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145	Astrochemical confirmation of the rapid evolution of massive YSOs and explanation for the inferred ages of hot cores. Astronomy and Astrophysics, 2006, 454, L5-L8.	5.1	18
146	The Becklin-Neugebauer Object as a Runaway B Star, Ejected 4000 Years Ago from the 1 Orionis C System. Astrophysical Journal, 2004, 607, L47-L50.	4.5	62
147	The Formation of the First Stars. I. Mass Infall Rates, Accretion Disk Structure, and Protostellar Evolution. Astrophysical Journal, 2004, 603, 383-400.	4.5	179
148	The Formation of Massive Stars from Turbulent Cores. Astrophysical Journal, 2003, 585, 850-871.	4.5	791
149	Massive star formation in 100,000 years from turbulent and pressurized molecular clouds. Nature, 2002, 416, 59-61.	27.8	296
150	Star Formation Rates in Disk Galaxies and Circumnuclear Starbursts from Cloud Collisions. Astrophysical Journal, 2000, 536, 173-184.	4.5	174
151	Widespread SiO and CH3OH Emission in Filamentary Infrared-Dark Cloudsâ˜¨. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	16