

# CITATION REPORT

List of articles citing

## Star Formation in Molecular Clouds: Observation and Theory

DOI: 10.1146/annurev.aa.25.090187.000323

Annual Review of Astronomy and Astrophysics, 1987,  
25, 23-81.

**Source:** <https://exaly.com/paper-pdf/19054824/citation-report.pdf>

**Version:** 2024-04-27

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
1886	Star Formation in W49A: Gravitational Collapse of the Molecular Cloud Core Toward a Ring of Massive Stars. <b>1987</b> , 238, 1550-5		99
1885	Star formation in giant molecular associations synchronized by a spiral density wave. <i>Nature</i> , <b>1988</b> , 334, 402-406	50.4	140
1884	Strings in the Sun?. <b>1988</b> , 61, 1043-1045		17
1883	Infrared spectra of young stellar objects. <b>1988</b> , 164-170		2
1882	Disks and Outflows. <b>1989</b> , 120, 196-209		
1881	Fragmentation and the initial mass function. <b>1989</b> , 44-54		4
1880	Physical conditions in dark clouds. <b>1989</b> , 38-44		
1879	On Heating, Ionization, and Star Formation in the Galactic Center Region. <b>1989</b> , 136, 171-177		5
1878	Fragmentation and the Initial Mass Function. <b>1989</b> , 120, 44-55		
1877	Star Formation. <b>1989</b> , 120, 56-67		
1876	Nature and History of the Organic Compounds in Comets: an Astrophysical View. <b>1989</b> , 116, 377-428		
1875	Star formation. <b>1989</b> , 56-67		
1874	Magnetic fields in molecular clouds: Regulators of star formation. <b>1989</b> , 297-312		
1873	Influence of molecular outflows from young stellar objects on molecular clouds. <b>1989</b> , 310, 363-366		3
1872	Small-scale clumping in molecular clouds. <b>1989</b> , 1, 141-176		23
1871	T Tauri stars. <b>1989</b> , 1, 291-334		121
1870	Molecular outflows in protostellar evolution. <i>Nature</i> , <b>1989</b> , 342, 161-163	50.4	24

1869	Star formation in irregular galaxies. <b>1989</b> , 243, 1557-63		9
1868	Disks and outflows. <b>1989</b> , 197-209		
1867	Turbulence in interstellar clouds. <b>1989</b> , 68-79		15
1866	Turbulence in Interstellar Clouds. <b>1989</b> , 120, 68-79		2
1865	Observational cosmology within the ESA science programme. <b>1990</b> , 13, 1-17		13
1864	Neutron stars: Graveyard of charged dark matter. <b>1990</b> , 238, 337-343		103
1863	Synthetic HR-diagrams for massive stars. <i>Astrophysics and Space Science</i> , <b>1990</b> , 166, 229-258	1.6	2
1862	Solar-type stars in Cepheus OB 2: H $\alpha$ emission stars and IRAS point sources. <i>Astrophysics and Space Science</i> , <b>1990</b> , 174, 13-47	1.6	12
1861	On the feasibility of detecting extrasolar planets by reflected starlight using the Hubble Space Telescope. <b>1990</b> , 87, 484-497		44
1860	Astrophysical fractals: An overview and prospects. <b>1990</b> , 33, 249-294		8
1859	On the origin of dwarf stars. <b>1990</b> , 137, 347-361		
1858	A CCD Polarimeter with Focal Reducer. <b>1990</b> , 140, 252-252		
1857	Molecular Cloud Cores and Protostars: Offsprings of Gravity and Cosmic Magnetism. <b>1990</b> , 140, 269-279		
1856	The Role of Magnetic Fields in Star Forming Regions. <b>1990</b> , 140, 259-267		
1855	Observational Aspects of Magnetic Fields in Molecular Clouds. <b>1990</b> , 140, 293-300		
1854	Observations and Models of Magnetic Molecular Clouds. <b>1990</b> , 140, 309-313		
1853	The Magnetic Field in the Inner 70 Parsecs of the Milky Way. <b>1990</b> , 140, 361-368		
1852	Direct numerical simulations of turbulent convection: I. Variable gravity and uniform rotation. <b>1990</b> , 53, 1-42		8

1851	The formation of sunlike stars. <b>1990</b> , 248, 564-72	47
1850	Technicolor cosmology. <b>1990</b> , 329, 445-463	106
1849	All the observed universe has contributed to life. <b>1991</b> , 334, 391-403	6
1848	Some processes influencing the stellar initial mass function. <b>1991</b> , 147, 261-273	
1847	A comparative study of star formation efficiencies in nearby molecular cloud complexes. <b>1991</b> , 147, 275-288	
1846	Ammonia clumps in the Orion and Cepheus clouds. <b>1991</b> , 147, 436-437	
1845	Ammonia clumps in the Orion and Cepheus clouds. <b>1991</b> , 147, 436-437	2
1844	A survey of circumstellar structure around young low mass stars. <b>1991</b> , 147, 345-352	
1843	Physical and chemical parameters in dense cores. <b>1991</b> , 147, 161-175	
1842	Star formation in three nearby cloud complexes. <b>1991</b> , 147, 293-315	
1841	Symposium Summary: Fragmentation and Star Formation in Molecular Clouds. <b>1991</b> , 147, 379-386	
1840	Physical and chemical parameters in dense cores. <b>1991</b> , 147, 161-175	
1839	Physical mechanisms for the bipolar jets around young stellar objects and their knotty structure. <b>1991</b> , 15, 78-82	
1838	The good companions. <i>Nature</i> , <b>1991</b> , 351, 274-275	50.4
1837	On the origin of the obliquities of the outer planets. <b>1991</b> , 89, 85-92	78
1836	Dynamic instabilities in rotating, low-mass protostars during early disk formation. <b>1991</b> , 91, 14-28	12
1835	Philosophy and the Origin and Evolution of the Universe. <b>1991</b> ,	1
1834	Geometry and Dynamics of Fractal Sets. <b>1991</b> , 1-41	

1833	Some Comments on the Origin of Gamma Ray Bursts. <b>1992</b> , 87, 879-890	1
1832	The properties of dense molecular cloud cores. <b>1992</b> , 1, 253-267	1
1831	On the Temporal and the Spatial Kelvin-Helmholtz Instability of a Hypersonic Jet Confined by a Longitudinal Magnetic Field. <b>1992</b> , 87, 325-349	
1830	. <b>1992</b> , 20, 877-881	
1829	. <b>1992</b> , 80, 1662-1678	116
1828	Gravitational Instabilities in Circumstellar Disks and the Formation of Binary Companions. <b>1992</b> , 135, 185-194	4
1827	Molecules in Stellar Winds. <b>1992</b> , 150, 379-386	
1826	Speckle Observations of Triple Stars. <b>1992</b> , 135, 555-557	
1825	The interstellar medium and star formation. <b>1992</b> , 61, 19-23	
1824	Abundances in the interstellar medium. <b>1992</b> , 4, 1-33	103
1823	Two new methods in determining the structure of dark molecular clouds. <i>Astrophysics and Space Science</i> , <b>1992</b> , 187, 143-146	1.6
1822	Star formation and the origin of stellar masses. <i>Nature</i> , <b>1992</b> , 359, 305-307	50.4 7
1821	The Raman spectrum of the T Tauri star LkH $\alpha$ 0. <b>1992</b> , 16, 315-318	
1820	ISO spectroscopy: the study of low-mass star formation. <b>1992</b> , 15, 1021-1032	
1819	The formation of chondrules via ablation. <b>1992</b> , 100, 608-620	28
1818	Brown dwarfs, slow accretion, deuterium and nuclear flashes. <b>1993</b> , 227, 309-312	
1817	Nonlinear stationary waves and solitary waves in fluid systems with long-range forces. <b>1993</b> , 182, 282-288	2
1816	Early stages of star formation. <i>Nature</i> , <b>1993</b> , 364, 99-100	50.4 1

1815	Early accretional history of the Earth and the Moon-forming event. <b>1993</b> , 30, 207-221		17
1814	Millimeter and Submillimeter Interferometry of Astronomical Sources. <i>Annual Review of Astronomy and Astrophysics</i> , <b>1993</b> , 31, 297-343	31.7	37
1813	The science of brown dwarfs. <b>1993</b> , 65, 301-336		192
1812	Outside the Stars. <b>1993</b> , 137, 1-24		
1811	From cores to stars. <b>1990</b> , 207-214		
1810	Molecular excitation and galactic interstellar clouds. <b>1990</b> , 123-137		
1809	Opacity Problems in Protostellar Objects. <b>1994</b> , 146, 186-195		
1808	The Magnetic Fields of the A and B Stars. <b>1994</b> , 162, 173-183		
1807	Disks Around T Tauri Stars. <b>1994</b> , 140, 203-211		
1806	Evidence for Protostellar Collapse in B335. <b>1994</b> , 140, 226-227		
1805	Dark matter: From galactic halo to superclusters. <b>1994</b> , 5, 109-115		
1804	Effect of longitudinal modulation of Alfvén wave filamentation. <b>1994</b> , 50, 1427-1436		12
1803	Radial migration of planetesimals. <i>Astrophysics and Space Science</i> , <b>1994</b> , 212, 49-56	1.6	
1802	Identification of a collapsing protostar. <i>Astrophysics and Space Science</i> , <b>1994</b> , 212, 139-145	1.6	2
1801	The detection and study of pre-planetary disks. <i>Astrophysics and Space Science</i> , <b>1994</b> , 212, 181-189	1.6	7
1800	Millimeter continuum measurements of circumstellar dust around very young low-mass stars. <i>Astrophysics and Space Science</i> , <b>1994</b> , 212, 191-195	1.6	2
1799	The search for protostars using millimeter/submillimeter dust emission as a tracer. <i>Astrophysics and Space Science</i> , <b>1994</b> , 212, 197-214	1.6	8
1798	The Pre-Main-Sequence Star RU Lupi: An Extreme T Tauri star. <b>1994</b> , 69, 1-138		3

1797	Excess line broadening in various objects- a case for weak magnetic effects. <i>Astrophysics and Space Science</i> , <b>1994</b> , 220, 289-297	1.6	4
1796	Molecular cloud condensation as a tracer of low-mass star formation. <i>Nature</i> , <b>1994</b> , 368, 719-721	50.4	53
1795	Pre-Main-Sequence Binary Stars. <i>Annual Review of Astronomy and Astrophysics</i> , <b>1994</b> , 32, 465-530	31.7	326
1794	Precise Doppler measurements: Detection of other planetary systems. <b>1994</b> , 8, 205-213		
1793	Molecular emission from disks around young stars. <b>1990</b> , 243-255		
1792	Theoretical, observational, and isotopic estimates of the lifetime of the solar nebula. <b>1994</b> , 29, 6-25		145
1791	Abstracts. <b>1995</b> , 30, 479-607		5
1790	Book Reviews. <b>1995</b> , 30, 470-473		
1789	Theoretical models of photodissociation regions (PDRs). <b>1995</b> , 164-174		3
1788	A New Interpretation of [TSUP] <sub>26</sub> [TSUP] <sub>Al</sub> in Meteoritic Inclusions. <i>Astrophysical Journal</i> , <b>1995</b> , 451,	4.7	24
1787	Dust Emission from L1641N: An Optically Thick Circumstellar Disk?. <i>Astrophysical Journal</i> , <b>1995</b> , 450, L71-L74	4.7	13
1786	Massive star nurseries. <b>1995</b> , 276-284		
1785	On the waves and instability in self-gravitating magnetic molecular clouds with ambipolar diffusion Part 1: Planar modal approach. <b>1995</b> , 507, 367-403		1
1784	On the waves and instability in self-gravitating magnetic molecular clouds with ambipolar diffusion Part 2: Cylindrical modal approach and nonlinear effects. <b>1995</b> , 507, 526-564		
1783	Use of multiply nested grids for the solution of flux-limited radiation diffusion and hydrodynamics. <b>1995</b> , 89, 29-44		28
1782	Theory of protoplanetary disks. <i>Astrophysics and Space Science</i> , <b>1995</b> , 223, 57-68	1.6	2
1781	Circumstellar envelopes and disks of pre-main sequence stars. <i>Astrophysics and Space Science</i> , <b>1995</b> , 224, 3-12	1.6	4
1780	Observations of disks around protostellar sources with nobeyama millimeter array. <i>Astrophysics and Space Science</i> , <b>1995</b> , 224, 13-16	1.6	2

1779	Sharp images of young stellar objects. <i>Astrophysics and Space Science</i> , <b>1995</b> , 224, 411-414		1.6
1778	Formation rate of triple stars relative to double stars. <i>Astrophysics and Space Science</i> , <b>1995</b> , 224, 491-492	1.6	
1777	Protostar formation under two current carrying gas filaments collision. <i>Astrophysics and Space Science</i> , <b>1995</b> , 227, 199-215		1.6
1776	Modified two-stream instabilities in dusty space plasmas. <b>1995</b> , 43, 619-624		21
1775	Streaming instability of a dusty plasma in the presence of mass and charge variation. <b>1995</b> , 45, 255-260		7
1774	Angular Momentum Evolution of Young Stars and Disks. <i>Annual Review of Astronomy and Astrophysics</i> , <b>1995</b> , 33, 199-238	31.7	175
1773	Cosmology as a problem in critical phenomena. <b>1995</b> , 184-223		5
1772	THE FU ORIONIS PHENOMENON. <i>Annual Review of Astronomy and Astrophysics</i> , <b>1996</b> , 34, 207-240	31.7	567
1771	BIPOLAR MOLECULAR OUTFLOWS FROM YOUNG STARS AND PROTOSTARS. <i>Annual Review of Astronomy and Astrophysics</i> , <b>1996</b> , 34, 111-154	31.7	412
1770	Toward an Astrophysical Theory of Chondrites. <b>1996</b> , 271, 1545-1552		445
1769	High resolution observations of disks around protostellar sources with the Nobeyama Millimeter Array. <b>1996</b> , 44-57		
1768	How Important is Neutral Carbon to an Understanding of the Dense Interstellar Medium?. <b>1996</b> , 169, 469-478		
1767	The Unsolved Problem of Stellar Origins. <b>1996</b> , 169, 533-549		
1766	Processing of chondritic and planetary material in spiral density waves in the nebula. <b>1996</b> , 31, 641-645		37
1765	The Role of Thermal Instabilities on the Theoretical Mass Function of MACHOs. <i>Astrophysical Journal</i> , <b>1996</b> , 456,		4.7
1764	Millimetre Observations of Protostellar Disks. <b>1996</b> , 13, 190-196		
1763	Galaxy formation. <b>1996</b> , 76-97		1
1762	Disk observations. <b>1996</b> , 1-23		2



1761	Spectroscopic evidence for protostellar infall. <i>Astrophysics and Space Science</i> , <b>1996</b> , 237, 299-318	1.6	5
1760	Testing for dark matter trapped in the solar system. <b>1996</b> , 51, 91-95		
1759	A far-infrared H-R diagram of young stellar objects. <i>Astrophysics and Space Science</i> , <b>1996</b> , 235, 117-128	1.6	1
1758	The formation and evolution of low mass protostars. <i>Astrophysics and Space Science</i> , <b>1996</b> , 239, 151-170	1.6	17
1757	Heated gaseous streamers and star formation in the Orion molecular cloud. <i>Nature</i> , <b>1996</b> , 382, 139-141	50.4	34
1756	Circumstellar disks and the search for neighbouring planetary systems. <i>Nature</i> , <b>1996</b> , 383, 139-44	50.4	227
1755	Near-Infrared Imaging Polarimetry of Embedded Young Stars in the Taurus-Auriga Molecular Cloud. <i>Astrophysical Journal</i> , <b>1997</b> , 485, 703-734	4.7	97
1754	Gravitational Collapse and Star Formation in Logotropic and Nonisothermal Spheres. <i>Astrophysical Journal</i> , <b>1997</b> , 476, 750-765	4.7	121
1753	Numerical Simulations of Astrophysical Jets from Keplerian Disks. I. Stationary Models. <i>Astrophysical Journal</i> , <b>1997</b> , 482, 712-732	4.7	243
1752	Interferometric Imaging of IRAS 04368+2557 in the L1527 Molecular Cloud Core: A Dynamically Infalling Envelope with Rotation. <i>Astrophysical Journal</i> , <b>1997</b> , 475, 211-223	4.7	146
1751	Gravitational Contraction of Rotating Clouds: Formation of Self-similarly Collapsing Disks. <i>Astrophysical Journal</i> , <b>1997</b> , 478, 569-584	4.7	60
1750	Large-Scale Structures in the Interstellar Medium. <i>Astrophysical Journal</i> , <b>1997</b> , 483, 274-281	4.7	
1749	Stability of Similarity Solutions for a Gravitationally Contracting Isothermal Sphere: Convergence to the Larson-Penston Solution. <i>Astrophysical Journal</i> , <b>1997</b> , 484, 238-244	4.7	25
1748	On Protostellar Disks in Herbig Ae[so]Be Stars. <i>Astrophysical Journal</i> , <b>1997</b> , 475, L41-L44	4.7	42
1747	Are Both Stars in a Classic T Tauri Binary Classic T Tauri Stars?. <i>Astrophysical Journal</i> , <b>1997</b> , 474, 455-463	4.7	56
1746	IRAS 20050+2720: An Embedded Young Cluster Associated with a Multipolar Outflow. <i>Astrophysical Journal</i> , <b>1997</b> , 475, 163-172	4.7	25
1745	The Initial Stellar Mass Function from Random Sampling in a Turbulent Fractal Cloud. <i>Astrophysical Journal</i> , <b>1997</b> , 486, 944-954	4.7	128
1744	Post-T Tauri Stars: A False Problem. <i>Astrophysical Journal</i> , <b>1997</b> , 476, L35-L38	4.7	19

1743	Collapse and Fragmentation of Molecular Cloud Cores. V. Loss of Magnetic Field Support. <i>Astrophysical Journal</i> , <b>1997</b> , 483, 309-319	4-7	42
1742	Spectral Energy Distributions of T Tauri Stars with Passive Circumstellar Disks. <i>Astrophysical Journal</i> , <b>1997</b> , 490, 368-376	4-7	1147
1741	Molecular Outflows from X-Ray-Emitting Protostars in the $\rho$ Ophiuchi Dark Cloud. <i>Astrophysical Journal</i> , <b>1997</b> , 489, L63-L66	4-7	30
1740	DENSE PHOTODISSOCIATION REGIONS (PDRs). <i>Annual Review of Astronomy and Astrophysics</i> , <b>1997</b> , 35, 179-215	31-7	378
1739	A dying universe: the long-term fate and evolution of astrophysical objects. <b>1997</b> , 69, 337-372		162
1738	Young Stars and Their Surroundings. <b>1997</b> , 276, 1355-1359		11
1737	Low-Mass Pre-Main Sequence Stars and Their X-ray Emission. <b>1997</b> , 276, 1363-1370		71
1736	Dynamical Collapse in W51 Massive Cores: NH <sub>3</sub> Observations. <i>Astrophysical Journal</i> , <b>1997</b> , 488, 241-257	4-7	107
1735	Low-Mass Versus High-Mass Star Formation. <b>1997</b> , 182, 537-549		
1734	Molecules in star formation. <b>1997</b> , 178, 19-30		1
1733	The Molecular Outflow and CO Bullets in HH111. <b>1997</b> , 182, 141-152		1
1732	The Evolution of Flows and Protostars. <b>1997</b> , 182, 483-494		
1731	Millimeter Interferometry of Class 0 Sources: Rotation and Infall Towards L1448N. <b>1997</b> , 182, 507-514		
1730	Young Binary Star/Disk Interactions. <b>1997</b> , 163, 505-514		2
1729	CO and the Multiphase ISM. <b>1997</b> , 170, 25-32		
1728	The relation between water maser and CO outflow in strong far infrared sources. <b>1997</b> , 21, 197-211		
1727	Large-Scale Instability in Giant Molecular Clouds. <i>Astrophysics and Space Science</i> , <b>1997</b> , 250, 117-136	1-6	2
1726	Cyclops: A single beam 1.3 millimeter polarimeter. <b>1997</b> , 18, 285-300		2

1725	Radiative heating of interstellar grains falling toward the solar nebula: 1-D diffusion calculations. <b>1997</b> , 125, 261-80		12
1724	Evolution and Dynamical Stability of the Proto-giant-planet Envelope. <b>1997</b> , 126, 282-292		24
1723	Rotating Protostars and Protostellar Disks. I. Equilibrium Models. <b>1997</b> , 126, 243-260		18
1722	Infrared emission and H-R diagram of bright far-infrared sources at the stage of star formation. <b>1998</b> , 22, 179-191		
1721	Astrophysics in 1997. <b>1998</b> , 110, 223-267		8
1720	Chemical evolution of star-forming regions. <i>Annual Review of Astronomy and Astrophysics</i> , <b>1998</b> , 36, 317-687		381
1719	Collimation of High Velocity Molecular Outflows. <b>1998</b> , 15, 388-390		2
1718	Similarity Solution for Formation of a Circumstellar Disk through the Collapse of a Flattened Rotating Cloud. <i>Astrophysical Journal</i> , <b>1998</b> , 493, 342-350	4-7	60
1717	Magnetic Field Line Reconnection in Weakly Ionized Plasmas. <b>1998</b> , 117, 599-625		24
1716	On the Probability Density Function of Galactic Gas. I. Numerical Simulations and the Significance of the Polytopic Index. <i>Astrophysical Journal</i> , <b>1998</b> , 504, 835-853	4-7	155
1715	Mass Segregation in Young Large Magellanic Cloud Clusters. I. NGC 2157. <b>1998</b> , 115, 592-604		66
1714	Star Formation in Magnetic Clouds. <i>Astrophysical Journal</i> , <b>1998</b> , 494, 587-604	4-7	208
1713	A Radiation Hydrodynamic Model for Protostellar Collapse. I. The First Collapse. <i>Astrophysical Journal</i> , <b>1998</b> , 495, 346-369	4-7	215
1712	ASCADetection of a Superhot 100 Million K X-Ray Flare on the Weak-lined T Tauri Star V773 Tauri. <i>Astrophysical Journal</i> , <b>1998</b> , 503, 894-901	4-7	98
1711	A Parameterized Study of the Detection of Infall in Protostellar Systems. <i>Astrophysical Journal</i> , <b>1998</b> , 508, 780-790	4-7	9
1710	A Dust Disk Surrounding the Young A Star HR 4796A. <i>Astrophysical Journal</i> , <b>1998</b> , 503, L79-L82	4-7	137
1709	Star Formation in Clusters: A Survey of Compact Millimeter-Wave Sources in the Serpens Core. <i>Astrophysical Journal</i> , <b>1998</b> , 508, L91-L94	4-7	268
1708	Accretion Disks around Young Objects. I. The Detailed Vertical Structure. <i>Astrophysical Journal</i> , <b>1998</b> , 500, 411-427	4-7	438

1707	The Effects of Thermal Energetics on Three-dimensional Hydrodynamic Instabilities in Massive Protostellar Disks. <i>Astrophysical Journal</i> , <b>1998</b> , 504, 468-491	4-7	64
1706	A Magnetic Rotating Stellar Wind Model from Wind Compression Theory. <i>Astrophysical Journal</i> , <b>1998</b> , 505, 910-920	4-7	34
1705	Cluster-forming Molecular Cloud Cores. <i>Astrophysical Journal</i> , <b>1998</b> , 496, L109-L112	4-7	64
1704	A Candidate Protoplanet in the Taurus Star-forming Region. <i>Astrophysical Journal</i> , <b>1998</b> , 507, L71-L74	4-7	30
1703	Dynamics of Circumstellar Disks. <i>Astrophysical Journal</i> , <b>1998</b> , 502, 342-371	4-7	93
1702	Formation and Collapse of Magnetized Spherical Molecular Cloud Cores. <i>Astrophysical Journal</i> , <b>1998</b> , 493, 230-246	4-7	29
1701	The Quest for X-Rays from Protostars. <b>1998</b> , 188, 17-20		1
1700	Relations Between Star Formation and the Interstellar Medium. <b>1998</b> , 179, 165-171		1
1699	Protostellar Cosmic Rays and Extinct Radioactivities in Meteorites. <i>Astrophysical Journal</i> , <b>1998</b> , 506, 898-912	4-7	203
1698	A C18O Survey of Dense Cloud Cores in Taurus: Star Formation. <i>Astrophysical Journal</i> , <b>1998</b> , 502, 296-314	4-7	145
1697	L1544: A Starless Dense Core with Extended Inward Motions. <i>Astrophysical Journal</i> , <b>1998</b> , 504, 900-914	4-7	218
1696	Low-Mass Star Formation and the Initial Mass Function in the $\rho$ Ophiuchi Cloud Core. <i>Astrophysical Journal</i> , <b>1999</b> , 525, 440-465	4-7	226
1695	A Super-Alfvénic Model of Dark Clouds. <i>Astrophysical Journal</i> , <b>1999</b> , 526, 279-294	4-7	291
1694	A Survey of Infall Motions toward Starless Cores. I. CS ( $2\lambda$ ) and N <sub>2</sub> H <sup>+</sup> ( $1\lambda$ ) Observations. <i>Astrophysical Journal</i> , <b>1999</b> , 526, 788-805	4-7	154
1693	Collapse and Fragmentation of Molecular Cloud Cores. VI. Slowly Rotating Magnetic Clouds. <i>Astrophysical Journal</i> , <b>1999</b> , 520, 744-750	4-7	30
1692	A Spherical Model for Starless Cores of Magnetic Molecular Clouds and Dynamical Effects of Dust Grains. <i>Astrophysical Journal</i> , <b>1999</b> , 526, 806-818	4-7	19
1691	Kinetic theory of Jeans instability of a dusty plasma. <b>1999</b> , 60, 7412-9		20
1690	Comparisons between the accretion flows of low- and intermediate-mass stars. <b>1999</b> , 43, 1-29		21

1689	The conductivity of dense molecular gas. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>1999</b> , 303, 239-246	4.3	176
1688	Ambipolar diffusion in magnetized cloud cores. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>1999</b> , 302, L45-L48	4.3	8
1687	The magnetic field structure of the DR21 region. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>1999</b> , 304, 406-414	4.3	14
1686	The distribution of the warm and dense molecular gas around Cepheus A HW 2. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>1999</b> , 307, 58-66	4.3	6
1685	Studies of ultracompact H II regions -- III. Near-infrared survey of selected regions. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>1999</b> , 309, 905-922	4.3	56
1684	X-rays from protostars. <b>1999</b> , 69, 52-55		
1683	Magnetic activities in young stellar objects. <b>1999</b> , 320, 175-176		12
1682	High-Energy Processes in Young Stellar Objects. <i>Annual Review of Astronomy and Astrophysics</i> , <b>1999</b> , 37, 363-408	31.7	557
1681	Photodissociation regions in the interstellar medium of galaxies. <b>1999</b> , 71, 173-230		515
1680	Singularities in the Rayleigh-Taylor instability of a thin plasma slab. <b>1999</b> , 59, 2292-2301		9
1679	The Leonard Award Address Presented 1998 July 27, Dublin, Ireland: On the difficulties of making Earth-like planets. <b>1999</b> , 34, 317-329		15
1678	Massive Stars: Their Environment and Formation. <b>1999</b> , 111, 1049-1087		279
1677	Turbulent Flow-driven Molecular Cloud Formation: A Solution to the Post-T Tauri Problem?. <i>Astrophysical Journal</i> , <b>1999</b> , 527, 285-297	4.7	238
1676	Clouds as Turbulent Density Fluctuations: Implications for Pressure Confinement and Spectral Line Data Interpretation. <i>Astrophysical Journal</i> , <b>1999</b> , 515, 286-303	4.7	170
1675	Physical Conditions in Regions of Star Formation. <i>Annual Review of Astronomy and Astrophysics</i> , <b>1999</b> , 37, 311-362	31.7	448
1674	Magnetic Fields in Star Formation Regions: 1.3 Millimeter Continuum Polarimetry. <i>Astrophysical Journal</i> , <b>1999</b> , 511, 812-821	4.7	31
1673	Kinetic and Structural Evolution of Self-gravitating, Magnetized Clouds: 2.5-dimensional Simulations of Decaying Turbulence. <i>Astrophysical Journal</i> , <b>1999</b> , 513, 259-274	4.7	153
1672	Discovery of an Extremely Young Accreting Protostar in Taurus. <i>Astrophysical Journal</i> , <b>1999</b> , 513, L57-L60.	4.7	135

1671	The Ionization Fraction in Dense Molecular Gas. II. Massive Cores. <i>Astrophysical Journal</i> , <b>1999</b> , 512, 724-739	4-7	53
1670	CCS Imaging of the Starless Core L1544: An Envelope with Infall and Rotation. <i>Astrophysical Journal</i> , <b>1999</b> , 518, L41-L44	4-7	75
1669	A Catalog of Optically Selected Cores. <b>1999</b> , 123, 233-250		178
1668	Magnetic Fields in Molecular Clouds: Observations Confront Theory. <i>Astrophysical Journal</i> , <b>1999</b> , 520, 706-713	4-7	684
1667	Analytical Study and Structure of a Stationary Radiative Shock. <b>2000</b> , 127, 245-252		67
1666	Jets from accretion discs. <b>2000</b> , 358, 741-758		4
1665	Self-gravitating Gaseous Bars. I. Compressible Analogs of Riemann Ellipsoids with Supersonic Internal Flows. <i>Astrophysical Journal</i> , <b>2000</b> , 532, 1051-1068	4-7	19
1664	[ITAL]HUBBLE SPACE TELESCOPE[/ITAL][ITAL]Hubble Space Telescope[/ITAL] NICMOS Images of Herbig-Haro Energy Sources: [[CLC]Fe[/CLC] [CSC]ii[/CSC]] Jets, Binarity, and Envelope Cavities. <b>2000</b> , 120, 1449-1466		121
1663	Consistency of Ambipolar Diffusion Models with Infall in the L1544 Protostellar Core. <i>Astrophysical Journal</i> , <b>2000</b> , 529, 925-931	4-7	111
1662	A Toy Model of Giant Molecular Clouds. <i>Astrophysical Journal</i> , <b>2000</b> , 536, 368-379	4-7	16
1661	Global Nonradial Instabilities of Dynamically Collapsing Gas Spheres. <i>Astrophysical Journal</i> , <b>2000</b> , 540, 946-961	4-7	32
1660	Proper Motion of Water Masers Associated with IRAS 21391+5802: Bipolar Outflow and an AU-Scale Dusty Circumstellar Shell. <i>Astrophysical Journal</i> , <b>2000</b> , 538, 268-274	4-7	39
1659	The HiiRegion KR 140: Spontaneous Formation of a High-Mass Star. <i>Astrophysical Journal</i> , <b>2000</b> , 539, 283-299	4-7	13
1658	High-Resolution, Wide-Field Imaging of the HL Tauri Environment in $^{13}\text{CO}$ ( $1\hat{a}0$ ). <i>Astrophysical Journal</i> , <b>2000</b> , 540, 362-371	4-7	30
1657	Deuterium Burning in Substellar Objects. <i>Astrophysical Journal</i> , <b>2000</b> , 542, L119-L122	4-7	71
1656	Infrared [ITAL]L[/ITAL]-Band Observations of the Trapezium Cluster: A Census of Circumstellar Disks and Candidate Protostars. <b>2000</b> , 120, 3162-3176		172
1655	VLA OH and HiZeeman Observations of the NGC 6334 Complex. <i>Astrophysical Journal</i> , <b>2000</b> , 533, 271-280	4-7	28
1654	Submillimeter Polarimetry of the Protostellar Outflow Sources in Serpens with the Submillimeter Common-User Bolometer Array. <i>Astrophysical Journal</i> , <b>2000</b> , 530, L115-L118	4-7	30

1653	Kinematics and Distance of Water Masers in W3 IRS 5. <i>Astrophysical Journal</i> , <b>2000</b> , 538, 751-765	4-7	66
1652	Magnetohydrodynamic Instabilities in Shearing, Rotating, Stratified Winds and Disks. <i>Astrophysical Journal</i> , <b>2000</b> , 540, 372-403	4-7	78
1651	Scientific potential of infrared interferometry from space. <b>2000</b> , 4006, 742		
1650	Nonaxisymmetric Dynamic Instabilities of Rotating Polytropes. II. Torques, Bars, and Mode Saturation with Applications to Protostars and Fizzlers. <i>Astrophysical Journal</i> , <b>2000</b> , 528, 946-964	4-7	36
1649	Modelling star formation and feedback in simulations of interacting galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2000</b> , 312, 859-879	4-3	194
1648	Binary pulsar PSR B1913+16 constrains the electron-proton charge asymmetry. <b>2000</b> , 484, 275-277		3
1647	Star formation. Three's a crowd. <i>Nature</i> , <b>2000</b> , 405, 405, 407	50.4	21
1646	Observation and study of the CO molecular lines in infrared sources IRAS 05437-0001 and IRAS 05351+3549. <b>2000</b> , 24, 315-323		1
1645	Protostellar Winds and Chondritic Meteorites. <b>2000</b> , 92, 153-176		14
1644	Triggering Protostellar Collapse, Injection, and Disk Formation. <b>2000</b> , 92, 13-22		15
1643	Protostellar Disk Formation and Early Evolution. <b>2000</b> , 92, 23-38		4
1642	From Dust to Terrestrial Planets – Introduction. <b>2000</b> , 92, 1-10		1
1641	The Fractional Ionization in Molecular Cloud Cores. <b>2000</b> , 197, 41-50		1
1640	An IUE Atlas of Pre-Main-Sequence Stars. I. Co-added Final Archive Spectra from the SWP Camera. <b>2000</b> , 129, 399-420		111
1639	Physical Properties of Molecular Envelopes in Low-Mass Star-Forming Regions. <b>2000</b> , 197, 61-70		
1638	Large-Area Mapping at 850 Microns. II. Analysis of the Clump Distribution in the $\rho$ Ophiuchi Molecular Cloud. <i>Astrophysical Journal</i> , <b>2000</b> , 545, 327-339	4-7	290
1637	Newly Discovered Herbig-Haro Objects near Haro 4-255. <b>2000</b> , 17, 304-306		5
1636	Fragmentation Instability of Molecular Clouds: Numerical Simulations. <i>Astrophysical Journal</i> , <b>2000</b> , 532, 361-376	4-7	29

1635	Theory of Low-Mass Stars and Substellar Objects. <i>Annual Review of Astronomy and Astrophysics</i> , <b>2000</b> , 38, 337-377	31.7	414
1634	The interstellar environment of our galaxy. <b>2001</b> , 73, 1031-1066		615
1633	Astrophysics in 2000. <b>2001</b> , 113, 1025-1114		10
1632	A model of spectral galaxy evolution including the effects of nebular emission. <i>Astronomy and Astrophysics</i> , <b>2001</b> , 375, 814-826	5.1	60
1631	Visual binaries among high-mass stars. <i>Astronomy and Astrophysics</i> , <b>2001</b> , 379, 147-161	5.1	42
1630	The circumstellar environment of low-mass protostars: A millimeter continuum mapping survey. <i>Astronomy and Astrophysics</i> , <b>2001</b> , 365, 440-464	5.1	295
1629	The Structure and Evolution of Dense Cores. <b>2001</b> , 200, 107-116		
1628	Impulsively Triggered Binary Star Formation. <b>2001</b> , 200, 33-39		3
1627	Impact of Magnetic Fields on Fragmentation. <b>2001</b> , 200, 371-380		1
1626	ISOCAM observations of the $\rho$ Ophiuchi cloud: Luminosity and mass functions of the pre-main sequence embedded cluster. <i>Astronomy and Astrophysics</i> , <b>2001</b> , 372, 173-194	5.1	222
1625	Gravitational Collapse in Turbulent Molecular Clouds. II. Magnetohydrodynamical Turbulence. <i>Astrophysical Journal</i> , <b>2001</b> , 547, 280-291	4.7	169
1624	Supersonic Water Masers in 30 Doradus. <i>Astrophysical Journal</i> , <b>2001</b> , 547, L61-L64	4.7	9
1623	The Formation of Stellar Clusters: Mass Spectra from Turbulent Molecular Cloud Fragmentation. <i>Astrophysical Journal</i> , <b>2001</b> , 556, 837-846	4.7	204
1622	Search for CO Outflows toward a Sample of 69 High-Mass Protostellar Candidates: Frequency of Occurrence. <i>Astrophysical Journal</i> , <b>2001</b> , 552, L167-L170	4.7	129
1621	The Substellar Mass Function in $\rho$ Orionis. <i>Astrophysical Journal</i> , <b>2001</b> , 556, 830-836	4.7	147
1620	Evidence for Circumstellar Disks around Young Brown Dwarfs in the Trapezium Cluster. <i>Astrophysical Journal</i> , <b>2001</b> , 558, L51-L54	4.7	149
1619	Magnetic Field Diagnostics Based on Far-Infrared Polarimetry: Tests Using Numerical Simulations. <i>Astrophysical Journal</i> , <b>2001</b> , 561, 800-814	4.7	118
1618	The Mass Function of Molecular Cloud Cores. <i>Astrophysical Journal</i> , <b>2001</b> , 559, L149-L152	4.7	39



1617	Boyle's law and gravitational instability. <i>Astronomy and Astrophysics</i> , <b>2001</b> , 375, 1091-1099	5.1	22
1616	Small-Scale Structure at High Redshift. II. Physical Properties of the CivAbsorbing Clouds. <i>Astrophysical Journal</i> , <b>2001</b> , 554, 823-840	4.7	83
1615	ISO spectroscopy of circumstellar dust in 14 Herbig Ae/Be systems: Towards an understanding of dust processing. <i>Astronomy and Astrophysics</i> , <b>2001</b> , 365, 476-490	5.1	445
1614	The Origin of Chondrules and Refractory Inclusions in Chondritic Meteorites. <i>Astrophysical Journal</i> , <b>2001</b> , 548, 1029-1050	4.7	258
1613	Physical conditions of protosolar matter. <b>2001</b> , 359, 2049-2060		4
1612	Search for low-mass PMS companions around X-ray selected late B stars. <i>Astronomy and Astrophysics</i> , <b>2001</b> , 372, 152-164	5.1	30
1611	Singular Isothermal Disks. II. Nonaxisymmetric Bifurcations and Equilibria. <i>Astrophysical Journal</i> , <b>2001</b> , 551, 367-386	4.7	30
1610	Effect of radiative cooling on collapsing charged grains. <b>2001</b> , 56, 95-105		14
1609	The structure of protosolar accretion disk. <b>2001</b> , 25, 273-281		
1608	Discovery of molecular hydrogen line emission associated with methanol maser emission. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2001</b> , 324, 1102-1108	4.3	14
1607	Study of star formation in RCW 106 using far-infrared observations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2001</b> , 326, 293-302	4.3	13
1606	Infrared polarimetry of the southern massive star-forming region G333.6â.2. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2001</b> , 327, 233-243	4.3	14
1605	Gas-phase shock chemistry of the young bipolar outflow L1157. <b>2001</b> , 6, 393-401		3
1604	On the efficiency and robustness of implicit methods in computational astrophysics. <b>2001</b> , 45, 425-447		19
1603	Spherical episodic ejection of material from a young star. <i>Nature</i> , <b>2001</b> , 411, 277-80	50.4	57
1602	Density, Velocity, and Magnetic Field Structure in Turbulent Molecular Cloud Models. <i>Astrophysical Journal</i> , <b>2001</b> , 546, 980-1005	4.7	613
1601	Rapid Formation of Molecular Clouds and Stars in the Solar Neighborhood. <i>Astrophysical Journal</i> , <b>2001</b> , 562, 852-868	4.7	433
1600	The occurrence of Jovian planets and the habitability of planetary systems. <b>2001</b> , 98, 809-14		30

1599	The role of central density in the evolution and formation of LMC clusters. observational evidence. <b>2001</b> , 20, 65-72		
1598	L183, a Quiescent Core?. <b>2001</b> , 1, 250-256		1
1597	Self-regulated model of galactic spiral structure formation. <b>2002</b> , 65, 016120		3
1596	The Pulsational Mode in the Presence of Dust Charge Fluctuations. <b>2002</b> , 65, 513-517		27
1595	Molecular Ions in L1544. I. Kinematics. <i>Astrophysical Journal</i> , <b>2002</b> , 565, 331-343	4.7	152
1594	Interstellar Gas Mass Functions: Fractality and Scale Dependence. <b>2002</b> , 54, 405-413		5
1593	Clustered star formation and the origin of stellar masses. <b>2002</b> , 295, 68-76		35
1592	The Stellar Initial Mass Function from Turbulent Fragmentation. <i>Astrophysical Journal</i> , <b>2002</b> , 576, 870-874	4.7	743
1591	Nonaxisymmetric Evolution of Magnetically Subcritical Clouds: Bar Growth, Core Elongation, and Binary Formation. <i>Astrophysical Journal</i> , <b>2002</b> , 566, L101-L104	4.7	16
1590	IRAS 21391+5802: The Molecular Outflow and Its Exciting Source. <i>Astrophysical Journal</i> , <b>2002</b> , 573, 246-259	4.7	42
1589	Shapes of Molecular Cloud Cores and the Filamentary Mode of Star Formation. <i>Astrophysical Journal</i> , <b>2002</b> , 576, 849-859	4.7	25
1588	Are There Unstable Planetary Systems around White Dwarfs?. <i>Astrophysical Journal</i> , <b>2002</b> , 572, 556-565	4.7	313
1587	Stellar Companions to Stars with Planets. <i>Astrophysical Journal</i> , <b>2002</b> , 581, 654-665	4.7	128
1586	A Metal-poor Compact HiiRegion with a Small, Isolated, and Dense Young Stellar Cluster. <i>Astrophysical Journal</i> , <b>2002</b> , 573, 238-245	4.7	4
1585	Structure and Instabilities of an Irradiated Viscous Protoplanetary Disk. <i>Astrophysical Journal</i> , <b>2002</b> , 567, 587-595	4.7	29
1584	Limits on Radio Continuum Emission from a Sample of Candidate Contracting Starless Cores. <b>2002</b> , 123, 3325-3328		23
1583	The Infrared Emission of Circumstellar Envelopes, Dark Silhouettes, and Photoionized Disks in HiiRegions. <i>Astrophysical Journal</i> , <b>2002</b> , 578, 897-913	4.7	25
1582	The Origin of Binary Stars. <i>Annual Review of Astronomy and Astrophysics</i> , <b>2002</b> , 40, 349-385	31.7	129

1581	Stellar Radio Astronomy: Probing Stellar Atmospheres from Protostars to Giants. <i>Annual Review of Astronomy and Astrophysics</i> , <b>2002</b> , 40, 217-261	31.7	228
1580	The structure and stability of molecular cloud cores in external radiation fields. <i>Astronomy and Astrophysics</i> , <b>2002</b> , 394, 275-284	5.1	114
1579	Collapse and Fragmentation of Molecular Cloud Cores. VII. Magnetic Fields and Multiple Protostar Formation. <i>Astrophysical Journal</i> , <b>2002</b> , 568, 743-753	4.7	49
1578	The degree of CO depletion in pre-stellar cores. <i>Astronomy and Astrophysics</i> , <b>2002</b> , 389, L6-L10	5.1	139
1577	Molecular Ions in L1544. II. The Ionization Degree. <i>Astrophysical Journal</i> , <b>2002</b> , 565, 344-358	4.7	289
1576	The initial conditions of isolated star formation. IV. ISOPHOT imaging and the temperature and energy balance of pre stellar cores. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2002</b> , 329, 257-276	4.3	107
1575	Mass segregation in young compact star clusters in the Large Magellanic Cloud - II. Mass functions. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2002</b> , 331, 245-258	4.3	111
1574	The role of tidal interactions in star formation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2002</b> , 332, 155-164	4.3	55
1573	Dust dynamics in dense molecular cores. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2002</b> , 333, 679-686	4.3	12
1572	A deep IZ survey of 1.1 deg <sup>2</sup> of the Pleiades cluster: three candidate members with. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2002</b> , 335, 687-697	4.3	34
1571	A study of some current methods of analysing observations of star-forming regions. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2002</b> , 335, 993-1004	4.3	7
1570	Deuterated molecules as a probe of ionization fraction in dense interstellar clouds. <b>2002</b> , 50, 1133-1144		53
1569	Identifying cold clumps in star forming regions with deuterated molecules. <b>2002</b> , 50, 1155-1159		
1568	Application of adaptive multi-frequency grids to three-dimensional astrophysical radiative transfer. <b>2002</b> , 75, 765-786		17
1567	Statistics of high-velocity outflows in regions of massive star formation. <b>2002</b> , 28, 316-323		2
1566	MODEST-2: a summary. <b>2003</b> , 8, 605-628		30
1565	Abiogenesis and photostimulated heterogeneous reactions in the interstellar medium and on primitive earth: Relevance to the genesis of life. <b>2003</b> , 3, 203-224		16
1564	Mass segregation in the young open cluster NGC 2547. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2003</b> , 345, 1205-1211	4.3	24

1563	Axisymmetric stability criterion for two gravitationally coupled singular isothermal discs. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2003</b> , 345, 1340-1350	4-3	12
1562	Protostellar collapse induced by compression. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2003</b> , 340, 870-882	4-3	57
1561	Infrared study of the $\Theta$ Chamaeleontis cluster and the longevity of circumstellar discs. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2003</b> , 338, 616-622	4-3	56
1560	A new algorithm for radiative feedback and its application to the formation of massive stars. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2003</b> , 338, 962-972	4-3	18
1559	Self-gravity and quasi-stellar object discs. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2003</b> , 339, 937-948	4-3	288
1558	Testing the circumstellar disc hypothesis: a search for H <sub>2</sub> outflow signatures from massive young stellar objects with linearly distributed methanol masers. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2003</b> , 341, 277-298	4-3	76
1557	SCUBA observations of dust around Lindroos stars: evidence for a substantial submillimetre disc population. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2003</b> , 342, 876-888	4-3	60
1556	The hierarchical formation of a stellar cluster. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2003</b> , 343, 413-418	4-3	313
1555	Short-lived radionuclides in the early solar system – A meteoritic perspective of the solar system formation. <b>2003</b> , 27, 365-373		0
1554	MODEST-1: Integrating stellar evolution and stellar dynamics. <b>2003</b> , 8, 337-370		33
1553	Astral magnetic fields – observed in starforming nurseries, in stars, and in the Solar system. <b>2003</b> , 47, 85-168		27
1552	Galactic Stellar and Substellar Initial Mass Function. <b>2003</b> , 115, 763-795		5486
1551	The physics of star formation. <b>2003</b> , 66, 1651-1697		199
1550	Isotopic composition of surface-correlated chromium in Apollo 16 lunar soils. <b>2003</b> , 67, 4881-4893		10
1549	Embedded Clusters in Molecular Clouds. <i>Annual Review of Astronomy and Astrophysics</i> , <b>2003</b> , 41, 57-115	31.7	2092
1548	AN ASTROPHYSICAL BASIS FOR A UNIVERSAL ORIGIN OF LIFE. <b>2003</b> , 06, 487-505		4
1547	Hydrodynamic Modeling of a Flare Loop Connecting the Accretion Disk and Central Core of Young Stellar Objects. <b>2003</b> , 55, 967-980		18
1546	Solar Wind Composition. <b>2003</b> ,		1

1545	The Circumstellar Disk of the Butterfly Star in Taurus. <i>Astrophysical Journal</i> , <b>2003</b> , 588, 373-386	4-7	122
1544	Linear Polarization Observations of Water Masers in W3 IRS 5. <i>Astrophysical Journal</i> , <b>2003</b> , 595, 285-293	4-7	16
1543	High-Resolution Imaging of CO Outflows in OMC-2 and OMC-3. <i>Astrophysical Journal</i> , <b>2003</b> , 591, 1025-1033	4-7	63
1542	Stellar Properties of Pre-Main-Sequence Stars from High-Resolution Near-Infrared Spectra. <b>2003</b> , 126, 3043-3057		33
1541	Envelope Structure of Starless Core L694-2 Derived from a Near-Infrared Extinction Map. <i>Astrophysical Journal</i> , <b>2003</b> , 598, 1112-1126	4-7	31
1540	Dusty Molecular Cloud Collapse in the Presence of Alfvén Waves. <i>Astrophysical Journal</i> , <b>2003</b> , 597, 970-974	4-7	12
1539	Nonlinear Hydromagnetic Wave Support of a Stratified Molecular Cloud. <i>Astrophysical Journal</i> , <b>2003</b> , 595, 842-857	4-7	35
1538	Collapse of Magnetized Singular Isothermal Toroids. II. Rotation and Magnetic Braking. <i>Astrophysical Journal</i> , <b>2003</b> , 599, 363-379	4-7	184
1537	Formation of Supermassive Black Holes in Galactic Bulges: A Rotating Collapse Model Consistent with the MBH-M Relation. <i>Astrophysical Journal</i> , <b>2003</b> , 591, 125-137	4-7	23
1536	A CS J = 5 → 4 Mapping Survey Toward High-Mass Star-forming Cores Associated with Water Masers. <b>2003</b> , 149, 375-403		163
1535	Collapse of Magnetized Singular Isothermal Toroids. I. The Nonrotating Case. <i>Astrophysical Journal</i> , <b>2003</b> , 599, 351-362	4-7	34
1534	Trapped Protostellar Winds and Their Breakout. <i>Astrophysical Journal</i> , <b>2003</b> , 590, 917-931	4-7	10
1533	Binary and Multiple Star Formation in Magnetic Clouds: Bar Growth and Fragmentation. <i>Astrophysical Journal</i> , <b>2003</b> , 594, 363-378	4-7	22
1532	The correlation between magnetic pressure and density in compressible MHD turbulence. <i>Astronomy and Astrophysics</i> , <b>2003</b> , 398, 845-855	5-1	62
1531	Astrophysics. <b>2003</b> ,		
1530	Twofold effect of Alfvén waves on the transverse gravitational instability. <i>Astronomy and Astrophysics</i> , <b>2003</b> , 411, 1-8	5-1	7
1529	A Survey for Circumstellar Disks around Young Substellar Objects. <i>Astrophysical Journal</i> , <b>2003</b> , 585, 372-391	4-7	94
1528	Massive Quiescent Cores in Orion. I. Temperature Structure. <i>Astrophysical Journal</i> , <b>2003</b> , 587, 262-277	4-7	44

- 1527 Dynamic Cores in Hydrostatic Disguise. *Astrophysical Journal*, **2003**, 592, 188-202 4-7 87
- 1526 Chemistry and Dynamics in Pre-protostellar Cores. *Astrophysical Journal*, **2003**, 583, 789-808 4-7 86
- 1525 Disk Properties and Density Structure of the Star-forming Dense Core B335. *Astrophysical Journal*, **2003**, 596, 383-388 4-7 47
- 1524 Disks in Brown Dwarf Systems. **2003**, 211, 127-132
- 1523 Magnetic Field Evolution in Bok Globules. *Astrophysical Journal*, **2003**, 592, 233-244 4-7 56
- 1522 Impulsively triggered star formation. **2003**, 208, 71-80
- 1521 High resolution observations of the hot core in G29.96+0.02. *Astronomy and Astrophysics*, **2003**, 407, 225-235 4-7 47
- 1520 How do binary separations depend on cloud initial conditions?. *Astronomy and Astrophysics*, **2003**, 411, 91-97 5-1 29
- 1519 Timescales of Disk Evolution and Planet Formation. **2004**, 202, 196-198
- 1518 Testing the Paradigm of Low Mass Star Formation. **2004**, 221, 201-212
- 1517 Does Magnetic Levitation or Suspension Define the Masses of Forming Stars?. *Astrophysical Journal*, **2004**, 601, 930-951 4-7 65
- 1516 The dust composition of discs surrounding isolated Herbig Ae/Be stars. **2004**, 202, 356-358
- 1515 The Turbulent Star Formation Model - Outline and Tests. **2004**, 221, 51-58 4
- 1514 Magnetic Fields in Molecular Clouds. **2004**, 221, 83-96
- 1513 Potential meteorite parent bodies. **2004**, 21-48
- 1512 Preface. **2004**, xi-xii
- 1511 Historical introduction. **2004**, 1-20
- 1510 Chondrites and their main properties. **2004**, 49-72

1509	Chondrules and their main properties. <b>2004</b> , 73-110		1
1508	Theories for the origin of chondrules. <b>2004</b> , 111-124		
1507	Discussion of theories for the origin of chondrules. <b>2004</b> , 125-140		
1506	Discussion of theories for metal-silicate fractionation. <b>2004</b> , 141-150		
1505	References. <b>2004</b> , 163-198		
1504	A study of high velocity molecular outflows with an up-to-date sample. <i>Astronomy and Astrophysics</i> , <b>2004</b> , 426, 503-515	5.1	225
1503	Complete depletion in prestellar cores. <i>Astronomy and Astrophysics</i> , <b>2004</b> , 418, 1035-1043	5.1	167
1502	Grain growth and dust settling in a brown dwarf disk. <i>Astronomy and Astrophysics</i> , <b>2004</b> , 426, L53-L57	5.1	41
1501	Nature of two massive protostellar candidates: IRAS 21307+5049 and IRAS 22172+5549. <i>Astronomy and Astrophysics</i> , <b>2004</b> , 424, 179-195	5.1	23
1500	A young binary brown dwarf in the R-CrA star formation region. <i>Astronomy and Astrophysics</i> , <b>2004</b> , 424, 213-226	5.1	24
1499	The H <sub>2</sub> CO abundance in the inner warm regions of low mass protostellar envelopes. <i>Astronomy and Astrophysics</i> , <b>2004</b> , 416, 577-594	5.1	109
1498	So how far have we come and where do we go next?. <b>2004</b> , 151-162		
1497	On the internal structure of starless cores. <i>Astronomy and Astrophysics</i> , <b>2004</b> , 416, 191-212	5.1	336
1496	Protostellar angular momentum evolution during gravoturbulent fragmentation. <i>Astronomy and Astrophysics</i> , <b>2004</b> , 423, 1-12	5.1	39
1495	The young stellar population in the Serpens Cloud Core: An ISOCAM survey. <i>Astronomy and Astrophysics</i> , <b>2004</b> , 421, 623-642	5.1	75
1494	Control of star formation by supersonic turbulence. <b>2004</b> , 76, 125-194		1206
1493	Tracing the Magnetic Field in Orion A. <i>Astrophysical Journal</i> , <b>2004</b> , 604, 717-740	4.7	78
1492	Laser guide star adaptive optics imaging polarimetry of Herbig Ae/Be stars. <b>2004</b> , 303, 1345-8		54

1491	Millimetre observations of the IRAS 18162+048 outflow: evidence for cloud disruption around an intermediate-mass protostar. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2004</b> , 347, 295-306	4-3	12
1490	Modelling ambipolar diffusion with two-fluid smoothed particle hydrodynamics. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2004</b> , 347, 994-1000	4-3	25
1489	Star formation in transient molecular clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2004</b> , 347, L36-L40	4-3	40
1488	Envelope expansion with core collapse - I. Spherical isothermal similarity solutions. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2004</b> , 348, 717-734	4-3	39
1487	Massive star formation: nurture, not nature. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2004</b> , 349, 735-741	4-3	274
1486	The OH ground-state masers in W3(OH) - I. Results for 1665 MHz. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2004</b> , 350, 1253-1271	4-3	32
1485	The structure of brown dwarf circumstellar discs. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2004</b> , 351, 607-616	4-3	49
1484	The formation of a massive protostar through the disk accretion of gas. <i>Nature</i> , <b>2004</b> , 429, 155-7	50-4	93
1483	Cosmological natural selection as the explanation for the complexity of the universe. <b>2004</b> , 340, 705-713		15
1482	Properties of the exciting source of the outflow in iras 20231+3440 region. <b>2004</b> , 28, 299-307		3
1481	Formation of chondritic refractory inclusions: The astrophysical setting. <b>2004</b> , 68, 4007-4021		51
1480	Chemistry of Protoplanetary Disks. <b>2004</b> , 33-66		5
1479	High-Resolution Far-Infrared Observations and Models of the Star Formation Core of G34.3+0.2C. <i>Astrophysical Journal</i> , <b>2004</b> , 600, 254-268	4-7	8
1478	Periodic Variability of Pre-Main-Sequence Stars in the NGC 2264 OB Association. <b>2004</b> , 127, 2228-2245		62
1477	Magnetically Regulated Star Formation in Turbulent Clouds. <i>Astrophysical Journal</i> , <b>2004</b> , 609, L83-L86	4-7	72
1476	The Formation of Self-Gravitating Cores in Turbulent Magnetized Clouds. <i>Astrophysical Journal</i> , <b>2004</b> , 605, 800-818	4-7	115
1475	Generalized Collapse Solutions with Nonzero Initial Velocities for Star Formation in Molecular Cloud Cores. <i>Astrophysical Journal</i> , <b>2004</b> , 615, 813-831	4-7	55
1474	On the Evolution and Stability of a Protoplanetary Disk Dust Layer. <i>Astrophysical Journal</i> , <b>2004</b> , 608, 1050-1075	4-7	104



1473	Shocked Self-similar Collapses and Flows in Star Formation Processes. <i>Astrophysical Journal</i> , <b>2004</b> , 611, L117-L120	4-7	31
1472	A New Classical T Tauri Object at the Substellar Boundary in Chamaeleon II. <i>Astrophysical Journal</i> , <b>2004</b> , 615, 840-849	4-7	20
1471	Angular Momentum Transfer in Star-Disk Encounters: The Case of Low-Mass Disks. <i>Astrophysical Journal</i> , <b>2004</b> , 602, 356-362	4-7	21
1470	Polarimetry toward the Musca Dark Cloud. I. The Catalog. <i>Astrophysical Journal</i> , <b>2004</b> , 603, 584-594	4-7	43
1469	W49A North: Global or Local or No Collapse?. <b>2004</b> , 153, 463-499		12
1468	Low-Mass Stars and Accretion at the Ages of Planet Formation in the Cepheus OB2 Region. <b>2004</b> , 128, 805-821		87
1467	An Extinction Threshold for Protostellar Cores in Ophiuchus. <i>Astrophysical Journal</i> , <b>2004</b> , 611, L45-L48	4-7	146
1466	Star Formation on the Move?. <i>Astrophysical Journal</i> , <b>2004</b> , 614, 194-202	4-7	65
1465	Chondrule Formation and Protoplanetary Disk Heating by Current Sheets in Nonideal Magnetohydrodynamic Turbulence. <i>Astrophysical Journal</i> , <b>2004</b> , 606, 532-541	4-7	52
1464	On the Evolutionary Status of Class I Stars and Herbig-Haro Energy Sources in Taurus-Auriga. <i>Astrophysical Journal</i> , <b>2004</b> , 616, 998-1032	4-7	254
1463	The gas temperature in flaring disks around pre-main sequence stars. <i>Astronomy and Astrophysics</i> , <b>2004</b> , 428, 511-521	5-1	91
1462	SpitzerIRAC Observations of Star Formation in N159 in the Large Magellanic Cloud. <i>Astrophysical Journal</i> , <b>2005</b> , 620, 731-743	4-7	41
1461	Quiescent and Coherent Cores from Gravoturbulent Fragmentation. <i>Astrophysical Journal</i> , <b>2005</b> , 620, 786-794	4-7	100
1460	Collapse and Fragmentation of Molecular Cloud Cores. VIII. Magnetically Supported Infinite Sheets. <i>Astrophysical Journal</i> , <b>2005</b> , 622, 393-403	4-7	12
1459	The Physical Natures of Class I and Flat-Spectrum Protostellar Photospheres: A Near-Infrared Spectroscopic Study. <b>2005</b> , 130, 1145-1170		97
1458	Quiescent Cores and the Efficiency of Turbulence-accelerated, Magnetically Regulated Star Formation. <i>Astrophysical Journal</i> , <b>2005</b> , 631, 411-428	4-7	94
1457	Stellar Magnetic Fields. <b>2005</b> , 183-218		12
1456	The Lifetimes and Evolution of Molecular Cloud Cores. <i>Astrophysical Journal</i> , <b>2005</b> , 618, 344-359	4-7	124

- 1455 Physics of Outflows: The Binary Protostar L1551 IRS 5 and its Jets. *Astrophysical Journal*, **2005**, 619, 959-967 17
- 1454 Control of Star Formation in Galaxies by Gravitational Instability. *Astrophysical Journal*, **2005**, 620, L19-L22 71
- 1453 Star Formation in Isolated Disk Galaxies. I. Models and Characteristics of Nonlinear Gravitational Collapse. *Astrophysical Journal*, **2005**, 626, 823-843 4.7 82
- 1452 A General Theory of Turbulence-regulated Star Formation, from Spirals to Ultraluminous Infrared Galaxies. *Astrophysical Journal*, **2005**, 630, 250-268 4.7 711
- 1451 Comparisons of an Evolutionary Chemical Model with Other Models. *Astrophysical Journal*, **2005**, 631, 351-360 4.7 12
- 1450 High-Mass Cloud Cores in the  $\tau$ Carinae Giant Molecular Cloud. *Astrophysical Journal*, **2005**, 634, 476-494 4.7 74
- 1449 Nonlinear Criterion for the Stability of Molecular Clouds. *Astrophysical Journal*, **2005**, 635, 1126-1135 4.7 7
- 1448 Molecular Line Observations of IRAM 04191+1522. *Astrophysical Journal*, **2005**, 619, 948-958 4.7 25
- 1447 How Protostellar Outflows Help Massive Stars Form. *Astrophysical Journal*, **2005**, 618, L33-L36 4.7 108
- 1446 Star Formation Efficiency in Driven, Supercritical, Turbulent Clouds. *Astrophysical Journal*, **2005**, 630, L49-L52 4.7 62
- 1445 Constraining the Evolutionary Stage of Class I Protostars: Multiwavelength Observations and Modeling. *Astrophysical Journal*, **2005**, 635, 396-421 4.7 82
- 1444 Evidence for an X-Ray Jet in DG Tauri A?. *Astrophysical Journal*, **2005**, 626, L53-L56 4.7 73
- 1443 Large-Scale CO and [C<sub>I</sub>] Emission in the  $\rho$ Ophiuchi Molecular Cloud. *Astrophysical Journal*, **2005**, 625, 194-209 4.7 30
- 1442 Outflow Interaction in the Late Stages of Star Formation. *Astrophysical Journal*, **2005**, 624, 841-852 4.7 16
- 1441 Search for CO Outflows toward a Sample of 69 High-Mass Protostellar Candidates. II. Outflow Properties. *Astrophysical Journal*, **2005**, 625, 864-882 4.7 210
- 1440 An Infalling Torus of Molecular Gas around the Ultracompact HiiRegion G28.20+0.05. *Astrophysical Journal*, **2005**, 631, 399-410 4.7 23
- 1439 A Millimeter Continuum Survey for Massive Protoclusters in the Outer Galaxy. **2005**, 161, 361-393 51
- 1438 On the Observability of Giant Protoplanets in Circumstellar Disks. *Astrophysical Journal*, **2005**, 619, 1114-1122 89

1437	Outflow and Infall in Star-forming Region L1221. <i>Astrophysical Journal</i> , <b>2005</b> , 632, 964-972	4-7	8
1436	Models of Collapsing Clouds and Star-Forming Regions as Analogs of the Solar Nebula. <b>2005</b> , 13, 504-507		
1435	Molecular Line Profile Fitting with Analytic Radiative Transfer Models. <i>Astrophysical Journal</i> , <b>2005</b> , 620, 800-815	4-7	47
1434	High Angular Resolution Observations of the Collimated Jet Source Associated with a Massive Protostar in IRAS 16547-247. <i>Astrophysical Journal</i> , <b>2005</b> , 626, 953-958	4-7	55
1433	Alfvén waves propagation in homogeneous and dusty astrophysical plasmas. <b>2005</b> , 35, 925-935		13
1432	Thermal physics, cloud geometry and the stellar initial mass function. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2005</b> , 359, 211-222	4-3	287
1431	Molecular hydrogen formation during dense interstellar cloud collapse. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2005</b> , 361, 550-558	4-3	12
1430	Spherical isothermal self-similar shock flows. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2005</b> , 363, 1315-1328	4-3	25
1429	Can variability account for apparent age spreads in OB association colour-magnitude diagrams?. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2005</b> , 363, 1389-1397	4-3	39
1428	Envelope expansion with core collapse. Quasi-spherical self-similar solutions for an isothermal magnetofluid. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2005</b> , 364, 1168-1184	4-3	19
1427	A circumstellar disk associated with a massive protostellar object. <i>Nature</i> , <b>2005</b> , 437, 112-5	50.4	41
1426	The formation of stars by gravitational collapse rather than competitive accretion. <i>Nature</i> , <b>2005</b> , 438, 332-4	50.4	111
1425	Astrophysics: how to make a massive star. <i>Nature</i> , <b>2005</b> , 437, 37-8	50.4	8
1424	Outflow, Infall, and Rotation in High-Mass Star Forming Regions. <i>Astrophysics and Space Science</i> , <b>2005</b> , 295, 5-17	1.6	30
1423	Magnetic Fields in Star-Forming Regions: Theoretical Aspects. <i>Astrophysics and Space Science</i> , <b>2005</b> , 295, 43-51	1.6	1
1422	Vlbi Water Maser Proper Motion Measurements in Star-Forming Regions. <i>Astrophysics and Space Science</i> , <b>2005</b> , 295, 53-63	1.6	4
1421	Star formation in Perseus. <i>Astronomy and Astrophysics</i> , <b>2005</b> , 440, 151-161	5.1	163
1420	The structure and dynamics of the dense cores in the Perseus molecular cloud complex. <i>Astronomy and Astrophysics</i> , <b>2005</b> , 431, 253-268	5.1	12

1419	Parameter study of star-disc encounters. <i>Astronomy and Astrophysics</i> , <b>2005</b> , 437, 967-976	5.1	56
1418	Two-fluid Dynamics in Clusters of Galaxies Pairwise Velocity Statistics of Dark Halos. <b>2005</b> , 5, 6-20		3
1417	The structure, formation and evolution of low-mass stars and brown dwarfs. <b>2005</b> , 101-146		
1416	Black hole accretion. <b>2005</b> , 307, 77-80		38
1415	The Formation of Solar-type Stars: Boundary Conditions for the Origin of Life?. <b>2005</b> , 29-59		1
1414	Experimental astrophysics with high power lasers and Z pinches. <b>2006</b> , 78, 755-807		550
1413	Observations of chemical differentiation in clumpy molecular clouds. <b>2006</b> , 133, 63-82; discussion 83-102, 449-52		10
1412	Why Magnetic Fields Cannot Be the Main Agent Shaping Planetary Nebulae. <b>2006</b> , 118, 260-269		69
1411	Star Formation in the Era of the Three Great Observatories. <b>2006</b> , 118, 939-946		
1410	Solar System Formation and Early Evolution: the First 100 Million Years. <b>2006</b> , 39-95		2
1409	A VLT/NACO survey for triple and quadruple systems among visual pre-main sequence binaries. <i>Astronomy and Astrophysics</i> , <b>2006</b> , 459, 909-926	5.1	105
1408	VLTK-band spectroscopy of massive young stellar objects in (ultra-)compact HII regions. <i>Astronomy and Astrophysics</i> , <b>2006</b> , 455, 561-576	5.1	65
1407	The magnetic field in the star-forming region Cepheus A. <i>Astronomy and Astrophysics</i> , <b>2006</b> , 448, 597-611	5.1	58
1406	Modeling the gas-phase chemistry of the transitional disk around HD 141569A. <i>Astronomy and Astrophysics</i> , <b>2006</b> , 453, 163-171	5.1	49
1405	Strongly induced collapse in the Class 0 protostar NGC 1333 IRAS 4A. <i>Astronomy and Astrophysics</i> , <b>2006</b> , 453, 145-154	5.1	24
1404	Exploring the lower mass function in the young open cluster IC 4665. <i>Astronomy and Astrophysics</i> , <b>2006</b> , 448, 189-202	5.1	24
1403	A Unified Model for Bipolar Outflows from Young Stars. <i>Astrophysical Journal</i> , <b>2006</b> , 649, 845-855	4.7	72
1402	A Pre-Protostellar Core in L1551. II. State of Dynamical and Chemical Evolution. <i>Astrophysical Journal</i> , <b>2006</b> , 637, 392-399	4.7	10

1401	Star Formation in Space and Time: The Orion Nebula Cluster. <i>Astrophysical Journal</i> , <b>2006</b> , 644, 355-363	4-7	67
1400	Incorporating the Molecular Gas Phase in Galaxy-sized Numerical Simulations: First Applications in Dwarf Galaxies. <i>Astrophysical Journal</i> , <b>2006</b> , 645, 1024-1042	4-7	79
1399	TheSpitzerc2d Survey of Nearby Dense Cores. I. First Direct Detection of the Embedded Source in IRAM 04191+1522. <i>Astrophysical Journal</i> , <b>2006</b> , 651, 945-959	4-7	90
1398	The Initial Conditions for Gravitational Collapse of a Core: An Extremely Young Low-Mass Class 0 Protostar GF 9-2. <i>Astrophysical Journal</i> , <b>2006</b> , 653, 1369-1390	4-7	28
1397	A High-Mass Protobinary System in the Hot Core W3(H2O). <i>Astrophysical Journal</i> , <b>2006</b> , 639, 975-990	4-7	35
1396	Thermal convection in accretion disks. <b>2006</b> , 2, 405-416		3
1395	Observations of prestellar cores: Probing the initial conditions for the IMF. <b>2006</b> , 2, 132-140		
1394	Galactic-scale star formation by gravitational instability. <b>2006</b> , 2, 336-343		
1393	Massive star and star cluster formation. <b>2006</b> , 2, 258-264		
1392	Molecular cloud turbulence and the star formation efficiency: enlarging the scope. <b>2006</b> , 2, 292-299		
1391	Investigating Disk Evolution: A High Spatial Resolution Mid-Infrared Survey of T Tauri Stars. <i>Astrophysical Journal</i> , <b>2006</b> , 636, 932-951	4-7	98
1390	Infall and Outflow around the HH 212 Protostellar System. <i>Astrophysical Journal</i> , <b>2006</b> , 639, 292-302	4-7	55
1389	Braking the Gas in the Pictoris Disk. <i>Astrophysical Journal</i> , <b>2006</b> , 643, 509-522	4-7	66
1388	The Large- and Small-Scale Structures of Dust in the Star-forming Perseus Molecular Cloud. <i>Astrophysical Journal</i> , <b>2006</b> , 646, 1009-1023	4-7	168
1387	ChandraX-Ray Observations of Young Clusters. III. NGC 2264 and the Orion Flanking Fields. <b>2006</b> , 131, 2934-2948		25
1386	Interferometric Observations toward the High-Mass Young Stellar Object IRAS 23139+5939: Radio Continuum and Water Maser Emission. <b>2006</b> , 132, 1918-1922		9
1385	Dense Cores with Multiple Protostars: The Velocity Fields of L1448 IRS 3, NGC 1333 IRAS 2, and NGC 1333 IRAS 4. <i>Astrophysical Journal</i> , <b>2006</b> , 651, 301-320	4-7	22
1384	Searching for Low Surface Brightness Galaxies in the Hubble Ultra Deep Field: Implications for the Star Formation Efficiency in Neutral Gas at documentclass{aastex} usepackage{amssyb} usepackage{amsmath} usepackage{amssymb} usepackage{bm} usepackage{mathrsfs} usepackage{pifont} usepackage{stmaryrd} usepackage{textcomp} usepackage{portland,xspace} usepackage{amsmath,amsxtra} usepackage[OT2,OT1]{fontenc} newcommandcyr{ renewcommandrmddefault{wncyr} renewcommandsfdefault{wncyss} renewcommand. <i>Astrophysical Journal</i> , <b>2006</b> , 652, 981-993	4-7	88

1383	Formation and Evolution of Planetary Systems: Upper Limits to the Gas Mass in Disks around Sun-like Stars. <i>Astrophysical Journal</i> , <b>2006</b> , 651, 1177-1193	4-7	130
1382	The Heavy-Ion Approximation for Ambipolar Diffusion Calculations for Weakly Ionized Plasmas. <i>Astrophysical Journal</i> , <b>2006</b> , 653, 1280-1291	4-7	33
1381	The Possibly Remnant Massive Outflow in G5.89-0.39. I. Observations and Initial Magnetohydrodynamic Simulations. <i>Astrophysical Journal</i> , <b>2006</b> , 648, 1079-1089	4-7	22
1380	Enhanced Cosmic-Ray Flux and Ionization for Star Formation in Molecular Clouds Interacting with Supernova Remnants. <i>Astrophysical Journal</i> , <b>2006</b> , 653, L49-L52	4-7	25
1379	The Circumstellar Structure of the Class I Protostar TMC-1 (IRAS 04381+2540) from Hubble Space Telescope NICMOS Data. <i>Astrophysical Journal</i> , <b>2006</b> , 637, 811-822	4-7	16
1378	Stellar Multiplicity and the Initial Mass Function: Most Stars Are Single. <i>Astrophysical Journal</i> , <b>2006</b> , 640, L63-L66	4-7	235
1377	Properties and Formation of the Multiple Protostellar System L1551 IRS 5. <i>Astrophysical Journal</i> , <b>2006</b> , 653, 425-436	4-7	36
1376	Colliding Clouds: The Star Formation Trigger of the Stellar Cluster around BD +40 4124. <i>Astrophysical Journal</i> , <b>2006</b> , 642, 330-338	4-7	17
1375	Cluster Formation in Protostellar Outflow-driven Turbulence. <i>Astrophysical Journal</i> , <b>2006</b> , 640, L187-L190	4-7	160
1374	Infrared Dark Clouds: Precursors to Star Clusters. <i>Astrophysical Journal</i> , <b>2006</b> , 641, 389-405	4-7	347
1373	Near-Infrared Synthetic Images of Protostellar Disks and Envelopes. <i>Astrophysical Journal</i> , <b>2006</b> , 649, 900-913	4-7	43
1372	Occurrence Frequency of CO Outflows in Massive Protostellar Candidates. <i>Astrophysical Journal</i> , <b>2006</b> , 643, 978-984	4-7	25
1371	Molecular line mapping of the giant molecular cloud associated with RCW 106 - I. <sup>13</sup> CO. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2006</b> , 367, 1609-1628	4-3	44
1370	A deep photometric survey of the $\chi$ Chamaeleontis cluster down to the brown dwarf $\hat{a}$ planet boundary. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2006</b> , 368, 1451-1455	4-3	35
1369	Envelope expansion with core collapse - III. Similarity isothermal shocks in a magnetofluid. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2006</b> , 370, 121-140	4-3	24
1368	The formation of molecular clouds in spiral galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2006</b> , 371, 1663-1674	4-3	103
1367	Thermal instability in a weakly ionized plasma. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2006</b> , 372, 862-868	4-3	21
1366	Supersonic turbulence, filamentary accretion and the rapid assembly of massive stars and discs. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2006</b> , 373, 1091-1106	4-3	73

1365	Self-similar shocks in polytropic gas flows around star-forming regions. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2006</b> , 373, 1610-1618	4.3	22
1364	The critical role of disks in the formation of high-mass stars. <i>Nature</i> , <b>2006</b> , 444, 703-6	50.4	45
1363	The origin of short-lived radionuclides in the solar system. <b>2006</b> , 50, 596-599		15
1362	The James Webb Space Telescope. <b>2006</b> , 123, 485-606		754
1361	3. Solar System Formation and Early Evolution: the First 100 Million Years. <b>2006</b> , 98, 39-95		49
1360	Chemical Telemetry of OH Observed to Measure Interstellar Magnetic Fields. <i>Astrophysics and Space Science</i> , <b>2006</b> , 302, 109-115	1.6	1
1359	Observational Test of an Accretion Model of Star Formation in Galactic Clusters. <i>Astrophysics and Space Science</i> , <b>2006</b> , 306, 241-248	1.6	
1358	CO observations of massive star forming regions at different evolutionary phases. <b>2006</b> , 49, 626-640		1
1357	Star Formation in Isolated Disk Galaxies. II. Schmidt Laws and Efficiency of Gravitational Collapse. <i>Astrophysical Journal</i> , <b>2006</b> , 639, 879-896	4.7	70
1356	Chemistry in low-mass protostellar and protoplanetary regions. <b>2006</b> , 103, 12249-56		39
1355	Interpreting Spectral Energy Distributions from Young Stellar Objects. I. A Grid of 200,000 YSO Model SEDs. <b>2006</b> , 167, 256-285		633
1354	STRATOSPHERIC OBSERVATORY FOR INFRARED ASTRONOMY (SOFIA). <b>2006</b> , 21, 2551-2560		1
1353	The Solar Nebula. <b>2007</b> , 1-23		1
1352	Observational Characteristics of the First Protostellar Cores. <b>2007</b> , 59, 589-606		29
1351	HCO+ in dark molecular clouds. <b>2007</b> , 1-6		3
1350	Insights from simulations of star formation. <b>2007</b> , 70, 337-356		17
1349	Dust coagulation in protoplanetary disks: porosity matters. <i>Astronomy and Astrophysics</i> , <b>2007</b> , 461, 215-232	5.7	158
1348	SpitzerMIPS Survey of the Young Stellar Content in the Vela Molecular Ridge-D. <i>Astrophysical Journal</i> , <b>2007</b> , 671, 470-482	4.7	11

1347	Star Formation in the Bok Globule CB54. <i>Astrophysical Journal</i> , <b>2007</b> , 664, 377-383	4.7	3
1346	Dynamical Expansion of HiiRegions from Ultracompact to Compact Sizes in Turbulent, Self-gravitating Molecular Clouds. <i>Astrophysical Journal</i> , <b>2007</b> , 668, 980-992	4.7	27
1345	The Circumstellar Structure and Excitation Effects around the Massive Protostar Cepheus A HW 2. <i>Astrophysical Journal</i> , <b>2007</b> , 666, L37-L40	4.7	25
1344	Ambipolar Diffusion in Molecular Cloud Cores and the Gravomagneto Catastrophe. <i>Astrophysical Journal</i> , <b>2007</b> , 671, 497-517	4.7	17
1343	Slow Star Formation in Dense Gas: Evidence and Implications. <i>Astrophysical Journal</i> , <b>2007</b> , 654, 304-315	4.7	487
1342	The Lupus Association of PreâMain-Sequence Stars: Clues to Star Formation Scattered in Space and Time. <i>Astrophysical Journal</i> , <b>2007</b> , 658, 480-486	4.7	26
1341	Parametric Instability in Dark Molecular Clouds. <i>Astrophysical Journal</i> , <b>2007</b> , 664, 942-949	4.7	17
1340	Ammonia Imaging of the Disks in the NGC 1333 IRAS 4A Protobinary System. <i>Astrophysical Journal</i> , <b>2007</b> , 667, L183-L186	4.7	15
1339	Massive Quiescent Cores in Orion. II. Core Mass Function. <i>Astrophysical Journal</i> , <b>2007</b> , 655, 351-363	4.7	26
1338	Comparing Star Formation on Large Scales in the c2d Legacy Clouds: Bolocam 1.1 mm Dust Continuum Surveys of Serpens, Perseus, and Ophiuchus. <i>Astrophysical Journal</i> , <b>2007</b> , 666, 982-1001	4.7	141
1337	High-Resolution Imaging of Molecular Outflows in Massive Young Stars. <i>Astrophysical Journal</i> , <b>2007</b> , 654, 361-372	4.7	33
1336	Anisotropy of Magnetohydrodynamic Turbulence and Polarization of the Spectral Lines of Molecules. <i>Astrophysical Journal</i> , <b>2007</b> , 655, 275-284	4.7	2
1335	The Ionization Fraction of Barnard 68: Implications for Star and Planet Formation. <i>Astrophysical Journal</i> , <b>2007</b> , 664, 956-963	4.7	43
1334	Formation of OB Associations in Galaxies. <i>Astrophysical Journal</i> , <b>2007</b> , 662, L75-L77	4.7	11
1333	Mean Field Magnetohydrodynamics of Accretion Disks. <i>Astrophysical Journal</i> , <b>2007</b> , 665, 535-553	4.7	61
1332	Statistics of Core Lifetimes in Numerical Simulations of Turbulent, Magnetically Supercritical Molecular Clouds. <i>Astrophysical Journal</i> , <b>2007</b> , 670, 480-488	4.7	27
1331	Using Chemistry to Unveil the Kinematics of Starless Cores: Complex Radial Motions in Barnard 68. <i>Astrophysical Journal</i> , <b>2007</b> , 670, L25-L28	4.7	20
1330	Young Stellar Groups around Herbig Ae/Be Stars: A Low-Mass YSO Census. <i>Astrophysical Journal</i> , <b>2007</b> , 659, 1360-1372	4.7	23



1329	Magnetic Fields at the Periphery of Ultracompact H ii Regions from Carbon Recombination Line Observations. <i>Astrophysical Journal</i> , <b>2007</b> , 658, L41-L44	4.7	11
1328	The Virial Balance of Clumps and Cores in Molecular Clouds. <i>Astrophysical Journal</i> , <b>2007</b> , 661, 262-284	4.7	73
1327	On the Rapid Collapse and Evolution of Molecular Clouds. <i>Astrophysical Journal</i> , <b>2007</b> , 668, 1064-1082	4.7	176
1326	New Radio Sources and the Composite Structure of Component B in the Very Young Protostellar System IRAS 16293-422. <i>Astrophysical Journal</i> , <b>2007</b> , 670, 1353-1360	4.7	26
1325	Very Large Array Observations of Candidate High-Mass Protostellar Objects at 7 Millimeters. <b>2007</b> , 134, 906-911		7
1324	SHARC-II Mapping of Spitzer c2d Small Clouds and Cores. <b>2007</b> , 133, 1560-1584		43
1323	Imaging Scattered Light from the Youngest Protostars in L1448: Signatures of Outflows. <i>Astrophysical Journal</i> , <b>2007</b> , 659, 1404-1419	4.7	60
1322	Multiple Sources toward the High-Mass Young Star S140 IRS 1. <b>2007</b> , 134, 1870-1876		9
1321	Magnetization, accretion, and outflows in young stellar objects. <b>2007</b> , 3, 249-264		10
1320	The accretion disk paradigm for young stars. <b>2007</b> , 3, 1-12		2
1319	SPH simulations of star/planet formation triggered by cloud-cloud collisions. <b>2007</b> , 3, 271-278		2
1318	Early Solar System Chronology. <b>2007</b> , 1-38		6
1317	Cold Dark Clouds: The Initial Conditions for Star Formation. <i>Annual Review of Astronomy and Astrophysics</i> , <b>2007</b> , 45, 339-396	31.7	665
1316	The James Clerk Maxwell Telescope Spectral Legacy Survey. <b>2007</b> , 119, 102-111		18
1315	Theory of Star Formation. <i>Annual Review of Astronomy and Astrophysics</i> , <b>2007</b> , 45, 565-687	31.7	1582
1314	Toward Understanding Massive Star Formation. <i>Annual Review of Astronomy and Astrophysics</i> , <b>2007</b> , 45, 481-563	31.7	883
1313	The mass function of dense molecular cores and the origin of the IMF. <i>Astronomy and Astrophysics</i> , <b>2007</b> , 462, L17-L21	5.1	359
1312	Massive Star Formation via High Accretion Rates and Early Disk-driven Outflows. <i>Astrophysical Journal</i> , <b>2007</b> , 660, 479-488	4.7	89

1311	Discovery of an energetic bipolar molecular outflow towards IRAS 16547-4247. <i>Astronomy and Astrophysics</i> , <b>2007</b> , 463, 217-224	5.1	24
1310	Gamma-ray emission from massive young stellar objects. <i>Astronomy and Astrophysics</i> , <b>2007</b> , 476, 1289-1295	5.1	35
1309	SCUBA mapping of outer Galaxy protostellar candidates. <i>Astronomy and Astrophysics</i> , <b>2007</b> , 473, 485-491	5.1	4
1308	The initial conditions of star formation in the Ophiuchus main cloud: Kinematics of the protocluster condensations. <i>Astronomy and Astrophysics</i> , <b>2007</b> , 472, 519-535	5.1	161
1307	Ions in space. <b>2007</b> , 26, 258-80		96
1306	Spectroscopic observations with the Stratospheric Observatory for Infrared Astronomy (SOFIA). <b>2007</b> , 40, 644-648		2
1305	Magnetic fields and the dynamics of spiral galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2007</b> , 383, 497-512	4.3	37
1304	Water vapour and hydrogen in the terrestrial-planet-forming region of a protoplanetary disk. <i>Nature</i> , <b>2007</b> , 447, 562-4	5.4	57
1303	On the relative motions of dense cores and envelopes in star-forming molecular clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2007</b> , 374, 1198-1206	4.3	14
1302	An XMM-Newton view of the young open cluster NGC 6231 - III. Optically faint X-ray sources. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2007</b> , 377, 945-956	4.3	28
1301	Clump lifetimes and the initial mass function. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2007</b> , 379, 57-62	4.3	65
1300	Chemical chronology of the Southern Coalsack. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2007</b> , 379, 807-815	4.3	1
1299	Using rotation rates to probe age spreads in the Orion Nebula Cluster. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2007</b> , 381, 1169-1178	4.3	40
1298	The formation of star clusters - II. 3D simulations of magnetohydrodynamic turbulence in molecular clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2007</b> , 382, 73-94	4.3	49
1297	Gamma rays from molecular clouds. <i>Astrophysics and Space Science</i> , <b>2007</b> , 309, 365-371	1.6	89
1296	Self-similar dynamics of a magnetized polytropic gas. <i>Astrophysics and Space Science</i> , <b>2007</b> , 311, 363-400	1.6	17
1295	Jets and molecular outflows from Herbig-Haro objects. <i>Astrophysics and Space Science</i> , <b>2007</b> , 311, 25-34	1.6	2
1294	The submillimeter array. <b>2007</b> , 40, 639-643		1

1293	Observation and Study of the $^{13}\text{CO}$ , $\text{C}^{18}\text{O}$ , $\text{HCO}^+$ and $\text{N}_2\text{H}^+$ Molecular Lines Towards IRAS 02232+6138. <b>2007</b> , 31, 387-399		3
1292	High-mass star forming regions: An ALMA view. <i>Astrophysics and Space Science</i> , <b>2008</b> , 313, 23-28	1.6	1
1291	Early stages of star formation. <i>Astrophysics and Space Science</i> , <b>2008</b> , 313, 29-34	1.6	1
1290	Studies of dense cores with ALMA. <i>Astrophysics and Space Science</i> , <b>2008</b> , 313, 123-128	1.6	3
1289	Dynamic evolution of a quasi-spherical general polytropic magnetofluid with self-gravity. <i>Astrophysics and Space Science</i> , <b>2008</b> , 315, 135-156	1.6	19
1288	High angular resolution millimeter observations of circumstellar disks. <b>2008</b> , 52, 105-116		4
1287	From discs to planetesimals: Evolution of gas and dust discs. <b>2008</b> , 52, 60-77		44
1286	Self-similar regimes for the collapse of magnetic protostellar clouds. <b>2008</b> , 52, 790-805		2
1285	Molecular line profiles as diagnostics of protostellar collapse: modelling the "blue asymmetry" inside-out infall. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2008</b> , 388, 898-912	4.3	22
1284	A two-fluid method for ambipolar diffusion. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2008</b> , 389, 1058-1073	4.3	21
1283	The nature of the velocity field in molecular clouds - I. The non-magnetic case. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2008</b> ,	4.3	28
1282	Simulating hydromagnetic processes in star formation: introducing ambipolar diffusion into an adaptive mesh refinement code. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2008</b> , 391, 1659-1673	4.3	31
1281	The Removal of Artificially Generated Polarization in SHARP Maps. <b>2008</b> , 120, 805-813		2
1280	An Interpretation of the Anomalously Low Mass of Mars. <i>Astrophysical Journal</i> , <b>2008</b> , 674, L105-L108	4.7	34
1279	Low-Mass Star-Forming Cores in the GF9 Filament. <b>2008</b> , 60, 421-428		7
1278	Stars in other universes: stellar structure with different fundamental constants. <b>2008</b> , 2008, 010		34
1277	Radiative magneto-hydrodynamics in massive star formation and accretion disks. <b>2008</b> , 4, 103-104		2
1276	Distortion of magnetic fields in the pre-stellar core Barnard 68. <b>2008</b> , 4, 107-108		1

1275	Age-related observations of low mass pre-main and young main sequence stars. <b>2008</b> , 4, 81-94		2
1274	Star Formation near Photodissociation Regions: Detection of a Peculiar Protostar near Cederblad 201. <i>Astrophysical Journal</i> , <b>2008</b> , 680, 466-473	4-7	1
1273	Nitrogen Isotopic Fractionation of Interstellar Nitriles. <i>Astrophysical Journal</i> , <b>2008</b> , 689, 1448-1455	4-7	49
1272	Identifying the Low-Luminosity Population of Embedded Protostars in the c2d Observations of Clouds and Cores. <b>2008</b> , 179, 249-282		216
1271	Young Stellar Objects in the Large Magellanic Cloud: N63 and N180 HiiRegions. <i>Astrophysical Journal</i> , <b>2008</b> , 678, 200-218	4-7	14
1270	Three-dimensional Simulation of Magnetized Cloud Fragmentation Induced by Nonlinear Flows and Ambipolar Diffusion. <i>Astrophysical Journal</i> , <b>2008</b> , 679, L97-L100	4-7	45
1269	UV Radiation Fields Produced by Young Embedded Star Clusters. <i>Astrophysical Journal</i> , <b>2008</b> , 675, 1361-1374	4-7	65
1268	Large-Scale Structure of the Molecular Gas in Taurus Revealed by High Linear Dynamic Range Spectral Line Mapping. <i>Astrophysical Journal</i> , <b>2008</b> , 680, 428-445	4-7	309
1267	Driven and Decaying Turbulence Simulations of Low-Mass Star Formation: From Clumps to Cores to Protostars. <i>Astrophysical Journal</i> , <b>2008</b> , 686, 1174-1194	4-7	87
1266	The Super-Alfvénic Model of Molecular Clouds: Predictions for Zeeman Splitting Measurements. <i>Astrophysical Journal</i> , <b>2008</b> , 686, L91-L94	4-7	26
1265	NGC 346 in the Small Magellanic Cloud. III. Recent Star Formation and Stellar Clustering Properties in the Bright HiiRegion N66. <i>Astrophysical Journal</i> , <b>2008</b> , 672, 914-929	4-7	46
1264	NH 3 Observations of the Infrared Dark Cloud G28.34+0.06. <i>Astrophysical Journal</i> , <b>2008</b> , 672, L33-L36	4-7	61
1263	Morphological Evolution of Bipolar Outflows from Young Stellar Objects. <i>Astrophysical Journal</i> , <b>2008</b> , 675, 427-442	4-7	43
1262	Magnetically Regulated Star Formation in Three Dimensions: The Case of the Taurus Molecular Cloud Complex. <i>Astrophysical Journal</i> , <b>2008</b> , 687, 354-375	4-7	148
1261	THE COLLIMATED JET SOURCE IN IRAS 16547-4247: TIME VARIATION, POSSIBLE PRECESSION, AND UPPER LIMITS TO THE PROPER MOTIONS ALONG THE JET AXIS. <b>2008</b> , 135, 2370-2379		47
1260	The CO Molecular Outflows of IRAS 16293-4222 Probed by the Submillimeter Array. <i>Astrophysical Journal</i> , <b>2008</b> , 675, 454-463	4-7	39
1259	Disks around Massive Young Stellar Objects: Are They Common?. <i>Astrophysical Journal</i> , <b>2008</b> , 673, L175-L179	4-7	19
1258	Magnetic Braking and Protostellar Disk Formation: The Ideal MHD Limit. <i>Astrophysical Journal</i> , <b>2008</b> , 681, 1356-1376	4-7	192

1257	Resolving the Formation of Protogalaxies. II. Central Gravitational Collapse. <i>Astrophysical Journal</i> , <b>2008</b> , 682, 745-757	4-7	174
1256	Millimeter Imaging of HH 24 MMS: A Misaligned Protobinary System. <i>Astrophysical Journal</i> , <b>2008</b> , 683, 267-271	4-7	7
1255	Dichotomy in the Dynamical Status of Massive Cores in Orion. <i>Astrophysical Journal</i> , <b>2008</b> , 688, L87-L90	4-7	20
1254	THE KINEMATICS OF MOLECULAR CLOUD CORES IN THE PRESENCE OF DRIVEN AND DECAYING TURBULENCE: COMPARISONS WITH OBSERVATIONS. <b>2008</b> , 136, 404-420		40
1253	GAMMA-RAY EMISSION FROM MASSIVE STAR FORMING REGIONS. <b>2008</b> , 17, 1889-1894		5
1252	Outflow and Infall in a Sample of Massive Star Forming Regions. II. Large-Scale Kinematics. <i>Astrophysical Journal</i> , <b>2008</b> , 684, 1273-1280	4-7	24
1251	A Large-Area Search for Low-Mass Objects in Upper Scorpius. II. Age and Mass Distributions. <i>Astrophysical Journal</i> , <b>2008</b> , 688, 377-397	4-7	102
1250	The Nature of the Dense Core Population in the Pipe Nebula: Thermal Cores Under Pressure. <i>Astrophysical Journal</i> , <b>2008</b> , 672, 410-422	4-7	177
1249	Constraining the Envelope Structure of L1527 IRS: Infrared Scattered Light Modeling. <i>Astrophysical Journal</i> , <b>2008</b> , 679, 1364-1384	4-7	61
1248	Submillimeter Observations of the Isolated Massive Dense Clump IRAS 20126+4104. <i>Astrophysical Journal</i> , <b>2008</b> , 682, 1103-1113	4-7	8
1247	A GLIMPSE into the Nature of Galactic Mid-IR Excesses. <i>Astrophysical Journal</i> , <b>2008</b> , 685, 1157-1182	4-7	4
1246	THE DENSE MOLECULAR RIDGE IN NGC 2024. <b>2008</b> , 136, 1947-1963		14
1245	On the Constancy of the Characteristic Mass of Young Stars. <i>Astrophysical Journal</i> , <b>2008</b> , 681, 365-374	4-7	82
1244	The evolution of the spectral energy distribution in massive young stellar objects. <i>Astronomy and Astrophysics</i> , <b>2008</b> , 481, 345-365	5-1	161
1243	The characteristics of the IR emission features in the spectra of Herbig Ae stars: evidence for chemical evolution. <i>Astronomy and Astrophysics</i> , <b>2008</b> , 484, 241-249	5-1	37
1242	Magnetic processes in a collapsing dense core. <i>Astronomy and Astrophysics</i> , <b>2008</b> , 477, 9-24	5-1	206
1241	The RMS survey. <i>Astronomy and Astrophysics</i> , <b>2008</b> , 487, 253-264	5-1	57
1240	Magnetic processes in a collapsing dense core. <i>Astronomy and Astrophysics</i> , <b>2008</b> , 477, 25-34	5-1	136

1239	Dissection of the protostellar envelope surrounding IRAS'05173-0555 in L1634. <i>Astronomy and Astrophysics</i> , <b>2008</b> , 485, 517-526	5.1	4
1238	Survey of ortho-H <sub>2</sub> D <sup>+</sup> (1 <sub>0</sub> → 1 <sub>1</sub> ) in dense cloud cores. <i>Astronomy and Astrophysics</i> , <b>2008</b> , 492, 703-718	5.1	91
1237	Toward a Deterministic Model of Planetary Formation. IV. Effects of Type I Migration. <i>Astrophysical Journal</i> , <b>2008</b> , 673, 487-501	4.7	275
1236	Protostar Mass due to Infall and Dispersal. <i>Astrophysical Journal</i> , <b>2008</b> , 687, 340-353	4.7	34
1235	Probing the Turbulence Dissipation Range and Magnetic Field Strengths in Molecular Clouds. <i>Astrophysical Journal</i> , <b>2008</b> , 677, 1151-1156	4.7	71
1234	The effects of young embedded groups and clusters on forming solar systems. <b>2008</b> , T130, 014029		1
1233	THE CLUSTERING BEHAVIOR OF PRE-MAIN-SEQUENCE STARS IN NGC 346 IN THE SMALL MAGELLANIC CLOUD. <i>Astrophysical Journal</i> , <b>2009</b> , 694, 367-375	4.7	31
1232	NONSTEADY ACCRETION IN PROTOSTARS. <i>Astrophysical Journal</i> , <b>2009</b> , 694, 1045-1055	4.7	184
1231	THE MOLECULAR EMISSION OF THE IRRADIATED STAR-FORMING CORE AHEAD OF HH 80N. <i>Astrophysical Journal</i> , <b>2009</b> , 695, 1505-1516	4.7	6
1230	EVOLUTIONARY STATUS OF BRIGHTEST AND YOUNGEST SOURCE IN THE ORION MOLECULAR CLOUD ð REGION. <i>Astrophysical Journal</i> , <b>2009</b> , 704, 1459-1470	4.7	14
1229	THE SPITZER SURVEY OF NEARBY DENSE CORES. V. DISCOVERY OF A VELLO IN THE ð STARLESS ð DENSE CORE L328. <i>Astrophysical Journal</i> , <b>2009</b> , 693, 1290-1299	4.7	45
1228	PROPERTIES AND GRAVITATIONAL COLLAPSE OF THE CORE IN G19.61 ð 23. <i>Astrophysical Journal</i> , <b>2009</b> , 697, L116-L121	4.7	24
1227	DEEP JHKs AND SPITZER IMAGING OF FOUR ISOLATED MOLECULAR CLOUD CORES. <i>Astrophysical Journal</i> , <b>2009</b> , 699, 1866-1882	4.7	23
1226	THE COEVALITY OF YOUNG BINARY SYSTEMS. <i>Astrophysical Journal</i> , <b>2009</b> , 704, 531-547	4.7	132
1225	RADIO JETS AND DISKS IN THE INTERMEDIATE-MASS STAR-FORMING REGION NGC2071IR. <i>Astrophysical Journal</i> , <b>2009</b> , 706, 244-251	4.7	13
1224	GRAIN GROWTH AND GLOBAL STRUCTURE OF THE PROTOPLANETARY DISK ASSOCIATED WITH THE MATURE CLASSICAL T TAURI STAR, PDS 66. <i>Astrophysical Journal</i> , <b>2009</b> , 697, 1305-1315	4.7	14
1223	THE SPITZER SURVEY OF NEARBY DENSE CORES. VI. THE PROTOSTARS OF LYND'S DARK NEBULA 1221. <i>Astrophysical Journal</i> , <b>2009</b> , 702, 340-351	4.7	6
1222	SPIRAL DENSITY WAVE TRIGGERING OF STAR FORMATION IN SA AND SAB GALAXIES. <i>Astrophysical Journal</i> , <b>2009</b> , 694, 512-545	4.7	55

1221	A COMPARISON OF THE AFTERGLOWS OF SHORT- AND LONG-DURATION GAMMA-RAY BURSTS. <i>Astrophysical Journal</i> , <b>2009</b> , 701, 824-836	4.7	110
1220	Low-mass protostars and dense cores in different evolutionary stages in IRAS '00213+6530. <i>Astronomy and Astrophysics</i> , <b>2009</b> , 506, 1183-1198	5.1	20
1219	The chemical history of molecules in circumstellar disks. <i>Astronomy and Astrophysics</i> , <b>2009</b> , 495, 881-897	5.1	158
1218	THE ROTATING MOLECULAR STRUCTURES AND THE IONIZED OUTFLOW ASSOCIATED WITH IRAS 16547-247. <i>Astrophysical Journal</i> , <b>2009</b> , 701, 974-983	4.7	27
1217	FORMATION OF AN O-STAR CLUSTER BY HIERARCHICAL ACCRETION IN G20.08+0.14 N. <i>Astrophysical Journal</i> , <b>2009</b> , 706, 1036-1053	4.7	65
1216	ATLASGAL - The APEX telescope large area survey of the galaxy at 870 $\mu$ m. <i>Astronomy and Astrophysics</i> , <b>2009</b> , 504, 415-427	5.1	487
1215	Near infrared polarimetry of a sample of YSOs. <i>Astronomy and Astrophysics</i> , <b>2009</b> , 501, 595-607	5.1	19
1214	SPITZER OBSERVATIONS OF L429: A NEAR-COLLAPSE OR COLLAPSING STARLESS CORE. <i>Astrophysical Journal</i> , <b>2009</b> , 690, L35-L38	4.7	10
1213	Prestellar and protostellar cores in Orion B9. <i>Astronomy and Astrophysics</i> , <b>2009</b> , 500, 845-860	5.1	16
1212	PROTOSTAR FORMATION IN SUPERSONIC FLOWS: GROWTH AND COLLAPSE OF SPHERICAL CORES. <i>Astrophysical Journal</i> , <b>2009</b> , 699, 230-244	4.7	47
1211	Disk formation during collapse of magnetized protostellar cores. <i>Astronomy and Astrophysics</i> , <b>2009</b> , 506, L29-L32	5.1	155
1210	HUBBLE SPACE TELESCOPENICMOS POLARIZATION OBSERVATIONS OF THREE EDGE-ON MASSIVE YOUNG STELLAR OBJECTS. <i>Astrophysical Journal</i> , <b>2009</b> , 700, 1488-1501	4.7	14
1209	MAGNETIC FIELDS AND INFALL MOTIONS IN NGC 1333 IRAS 4. <i>Astrophysical Journal</i> , <b>2009</b> , 702, 1584-1597	4.7	33
1208	The formation of low-mass stars with Herschel. <b>2009</b> , 34, 177-193		1
1207	Early phases of star formation: insights from Herschel. <b>2009</b> , 34, 163-175		
1206	Irradiation of dust in molecular clouds. I. UV doses. <b>2009</b> , 52, 288-299		4
1205	A new window on the cosmos: The Stratospheric Observatory for Infrared Astronomy (SOFIA). <b>2009</b> , 44, 413-432		35
1204	Vom Dunkel zum Licht. Sternentstehung. <b>2009</b> , 40, 12-18		1

1203	A multitransition molecular line study of inward motions towards massive star-forming cores. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2009</b> , 392, 170-180	4.3	22
1202	Analytic solutions to the accretion of a rotating finite cloud towards a central object - I. Newtonian approach. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2009</b> , 393, 579-586	4.3	17
1201	An analytic column density profile to fit prestellar cores. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2009</b> , 395, 1092-1098	4.3	63
1200	Broad-band non-thermal emission from molecular clouds illuminated by cosmic rays from nearby supernova remnants. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2009</b> , 396, 1629-1639	4.3	187
1199	Molecular line profiles of collapsing gas clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2009</b> , 400, 887-897	4.3	6
1198	Inefficient star formation: the combined effects of magnetic fields and radiative feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2009</b> , 398, 33-46	4.3	101
1197	18 years of science with the Hubble Space Telescope. <i>Nature</i> , <b>2009</b> , 457, 41-50	50.4	9
1196	The origin of magnetism on the upper main sequence. <b>2009</b> , 400, L71-L74		81
1195	Nonlinear evolution of gravitational fragmentation regulated by magnetic fields and ambipolar diffusion. <b>2009</b> , 14, 221-237		30
1194	Star forming activities in W75N and DR21 - Are the two regions in collision?. <b>2009</b> , 14, 391-397		1
1193	Density profiles in molecular cloud cores associated with high-mass star-forming regions. <b>2009</b> , 53, 1127-1135		20
1192	Darwin--a mission to detect and search for life on extrasolar planets. <b>2009</b> , 9, 1-22		97
1191	Fluid Mechanics in Disks Around Young Stars. <b>2009</b> , 41, 283-315		15
1190	Magnetic Fields of Nondegenerate Stars. <i>Annual Review of Astronomy and Astrophysics</i> , <b>2009</b> , 47, 333-370	11.7	447
1189	Tidal forces as a regulator of star formation in Taurus. <b>2009</b> , 395, L81-L84		19
1188	THE SPITZER c2d LEGACY RESULTS: STAR-FORMATION RATES AND EFFICIENCIES; EVOLUTION AND LIFETIMES. <b>2009</b> , 181, 321-350		1091
1187	AN EXPLICIT SCHEME FOR INCORPORATING AMBIPOLAR DIFFUSION IN A MAGNETOHYDRODYNAMICS CODE. <b>2009</b> , 181, 413-420		31
1186	DYNAMICAL EVOLUTION OF YOUNG EMBEDDED CLUSTERS: A PARAMETER SPACE SURVEY. <b>2009</b> , 185, 486-510		46



1185	MID-INFRARED EXTINCTION MAPPING OF INFRARED DARK CLOUDS: PROBING THE INITIAL CONDITIONS FOR MASSIVE STARS AND STAR CLUSTERS. <i>Astrophysical Journal</i> , <b>2009</b> , 696, 484-497	4.7	95
1184	Radio and Millimeter Observations of YSOs. <b>2009</b> , 5, 258-260		
1183	SPITZER AND HEINRICH HERTZ TELESCOPE OBSERVATIONS OF STARLESS CORES: MASSES AND ENVIRONMENTS. <i>Astrophysical Journal</i> , <b>2009</b> , 707, 137-166	4.7	37
1182	THE LEGACY OF SCUPOL: 850 $\mu$ m IMAGING POLARIMETRY FROM 1997 TO 2005. <b>2009</b> , 182, 143-204		149
1181	Radio observations of jets from massive young stars. <b>2010</b> , 6, 367-373		1
1180	Ambipolar diffusion and magnetic reconnection. <b>2010</b> , 6, 302-305		
1179	A Fast Explicit Scheme for Solving MHD Equations with Ambipolar Diffusion. <b>2010</b> , 6, 415-419		
1178	Magnetic Fields in Molecular Clouds. <b>2010</b> , 6, 187-196		3
1177	THE PROTOSTELLAR MASS FUNCTION. <i>Astrophysical Journal</i> , <b>2010</b> , 716, 167-180	4.7	37
1176	LONG-TERM EVOLUTION OF PROTOSTELLAR AND PROTOPLANETARY DISKS. I. OUTBURSTS. <i>Astrophysical Journal</i> , <b>2010</b> , 713, 1134-1142	4.7	105
1175	THE GAS CONSUMPTION HISTORY TO REDSHIFT 4. <i>Astrophysical Journal</i> , <b>2010</b> , 717, 323-332	4.7	75
1174	THE EVOLUTION OF THE SOLAR NEBULA I. EVOLUTION OF THE GLOBAL PROPERTIES AND PLANET MASSES. <i>Astrophysical Journal</i> , <b>2010</b> , 710, 1179-1194	4.7	23
1173	KINEMATICS OF THE AMMONIA DISK AROUND THE PROTOSTAR NGC 1333 IRAS 4A2. <i>Astrophysical Journal Letters</i> , <b>2010</b> , 723, L34-L37	7.9	40
1172	The near-infrared reflected spectrum of source $\lambda$ in Orion-KL. <i>Astronomy and Astrophysics</i> , <b>2010</b> , 522, A44	5.1	30
1171	THE SPARSEST CLUSTERS WITH O STARS. <i>Astrophysical Journal</i> , <b>2010</b> , 725, 1886-1902	4.7	50
1170	MAGNETIC FIELD STRUCTURE OF THE HH 1-2 REGION: NEAR-INFRARED POLARIMETRY OF POINT-LIKE SOURCES. <i>Astrophysical Journal</i> , <b>2010</b> , 708, 758-769	4.7	12
1169	DISK FORMATION ENABLED BY ENHANCED RESISTIVITY. <i>Astrophysical Journal</i> , <b>2010</b> , 716, 1541-1550	4.7	71
1168	THE ENIGMATIC YOUNG, LOW-MASS VARIABLE TWA 30. <i>Astrophysical Journal</i> , <b>2010</b> , 714, 45-67	4.7	60

1167	THE SPITZER 2d SURVEY OF NEARBY DENSE CORES. IX. DISCOVERY OF A VERY LOW LUMINOSITY OBJECT DRIVING A MOLECULAR OUTFLOW IN THE DENSE CORE L673-7. <i>Astrophysical Journal</i> , <b>2010</b> , 721, 995-1013	4-7	39
1166	EVOLUTIONARY SIGNATURES IN THE FORMATION OF LOW-MASS PROTOSTARS. II. TOWARD RECONCILING MODELS AND OBSERVATIONS. <i>Astrophysical Journal</i> , <b>2010</b> , 710, 470-502	4-7	138
1165	HIGH-VELOCITY JETS AND SLOWLY ROTATING ENVELOPE IN B335. <i>Astrophysical Journal</i> , <b>2010</b> , 710, 1786-1799	4-7	36
1164	THE EQUILIBRIUM STRUCTURE OF PROLATE MAGNETIZED MOLECULAR CORES. <i>Astrophysical Journal Letters</i> , <b>2010</b> , 709, L79-L82	7-9	7
1163	A SEARCH FOR INFALL EVIDENCE IN EGOS. I. THE NORTHERN SAMPLE. <i>Astrophysical Journal</i> , <b>2010</b> , 710, 150-169	4-7	44
1162	LOWERING THE CHARACTERISTIC MASS OF CLUSTER STARS BY MAGNETIC FIELDS AND OUTFLOW FEEDBACK. <i>Astrophysical Journal Letters</i> , <b>2010</b> , 720, L26-L30	7-9	41
1161	MASSIVE STAR FORMATION OF THE SGR A EAST H II REGIONS NEAR THE GALACTIC CENTER. <i>Astrophysical Journal</i> , <b>2010</b> , 725, 1429-1439	4-7	22
1160	STARLESS SUPER-JEANS CORES IN FOUR GOULD BELT CLOUDS. <i>Astrophysical Journal Letters</i> , <b>2010</b> , 718, L32-L37	7-9	21
1159	General polytropic magnetofluid under self-gravity: Voids and shocks. <b>2010</b> , 15, 198-214		9
1158	Adaptive mesh fluid simulations on GPU. <b>2010</b> , 15, 581-589		59
1157	Mechanical heating of protostellar discs. <b>2010</b> , 402, L6-L10		4
1156	Thick gas discs in faint dwarf galaxies. <b>2010</b> , 404, L60-L63		326
1155	A submillimetre survey of the kinematics of the Perseus molecular cloud III. Molecular outflows. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2010</b> , 408, 1516-1539	4-3	89
1154	Probing discs around massive young stellar objects with CO first overtone emission? <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2010</b> , 408, 1840-1850	4-3	39
1153	Global collapses and expansions in star-forming clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2010</b> , 403, 1919-1929	4-3	15
1152	Wind-driving protostellar accretion discs I. Formulation and parameter constraints. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2010</b> , 401, 479-499	4-3	43
1151	Modelling CO formation in the turbulent interstellar medium. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2010</b> ,	4-3	101
1150	Chaotic star formation and the alignment of stellar rotation with disc and planetary orbital axes. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2010</b> , 401, 1505-1513	4-3	241

1149	Stellar encounters in the context of outburst phenomena. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2010</b> , 402, 1349-1356	4.3	27
1148	Are the spin axes of stars randomly aligned within a cluster?. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2010</b> , 402, 1380-1390	4.3	34
1147	OH and H <sub>2</sub> O masers towards the star-forming region S140-IRS1. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2010</b> ,	4.3	1
1146	Collision between dissimilar clouds: stability of the bow-shock, and the formation of pre-stellar cores. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2010</b> ,	4.3	23
1145	The standard model of star formation applied to massive stars: accretion discs and envelopes in molecular lines. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2010</b> , 406, 102-111	4.3	44
1144	Dependence of the star formation efficiency on global parameters of molecular clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2010</b> , no-no	4.3	2
1143	The low-mass population of the $\rho$ Ophiuchi molecular cloud. <i>Astronomy and Astrophysics</i> , <b>2010</b> , 515, A75	5.1	46
1142	Bibliography. 783-824		
1141	Searching for dark clouds in the outer galactic plane. <i>Astronomy and Astrophysics</i> , <b>2010</b> , 515, A51	5.1	2
1140	THE SPITZER 2d SURVEY OF NEARBY DENSE CORES. X. STAR FORMATION IN L673 AND CB188. <i>Astrophysical Journal</i> , <b>2010</b> , 725, 2461-2479	4.7	6
1139	THE AGE, STELLAR CONTENT, AND STAR FORMATION TIMESCALE OF THE B59 DENSE CORE. <i>Astrophysical Journal</i> , <b>2010</b> , 722, 971-988	4.7	64
1138	Astronomical constraints on the emergence of life. 118-135		
1137	Radio and IR study of the massive star-forming region IRAS 16353-636. <i>Astronomy and Astrophysics</i> , <b>2010</b> , 523, A62	5.1	2
1136	Tracing early evolutionary stages of high-mass star formation with molecular lines. <i>Astronomy and Astrophysics</i> , <b>2010</b> , 522, A40	5.1	17
1135	A search for massive young stellar objects with 98 CH <sub>3</sub> OH maser sources. <i>Research in Astronomy and Astrophysics</i> , <b>2010</b> , 10, 67-82	1.5	7
1134	Angular momentum and the formation of stars and black holes. <b>2010</b> , 73, 014901		21
1133	Submillimeter/millimeter observations of the high-mass star forming region IRAS 22506+5944. <i>Research in Astronomy and Astrophysics</i> , <b>2010</b> , 10, 151-158	1.5	2
1132	Direct imaging of bridged twin protoplanetary disks in a young multiple star. <b>2010</b> , 327, 306-8		59

- 1131 The Birth Environment of the Solar System. *Annual Review of Astronomy and Astrophysics*, **2010**, 48, 47-85 1.7 303
- 1130 The stars and stellar evolution. **2011**, 35-76
- 1129 The dynamics of charged particles in magnetic fields. **2011**, 178-192
- 1128 Interstellar gas and magnetic fields. **2011**, 333-377
- 1127 MASS AND MAGNETIC DISTRIBUTIONS IN SELF-GRAVITATING SUPER-ALFVÉNIC TURBULENCE WITH ADAPTIVE MESH REFINEMENT. *Astrophysical Journal*, **2011**, 731, 59 4.7 40
- 1126 EVIDENCE FOR INFLOW IN HIGH-MASS STAR-FORMING CLUMPS. *Astrophysical Journal*, **2011**, 740, 40 4.7 21
- 1125 HIERARCHICAL FRAGMENTATION AND JET-LIKE OUTFLOWS IN IRDC G28.34+0.06: A GROWING MASSIVE PROTOSTAR CLUSTER. *Astrophysical Journal*, **2011**, 735, 64 4.7 98
- 1124 COMPLEX STRUCTURE IN CLASS 0 PROTOSTELLAR ENVELOPES. II. KINEMATIC STRUCTURE FROM SINGLE-DISH AND INTERFEROMETRIC MOLECULAR LINE MAPPING. *Astrophysical Journal*, **2011**, 740, 45 4.7 81
- 1123 THE RMS SURVEY: THE LUMINOSITY FUNCTIONS AND TIMESCALES OF MASSIVE YOUNG STELLAR OBJECTS AND COMPACT H II REGIONS. *Astrophysical Journal Letters*, **2011**, 730, L33 7.9 103
- 1122 MOLECULAR OUTFLOWS IN THE SUBSTELLAR DOMAIN: MILLIMETER OBSERVATIONS OF YOUNG VERY LOW MASS OBJECTS IN TAURUS AND  $\rho$ PHIUCHI. *Astrophysical Journal*, **2011**, 735, 14 4.7 40
- 1121 STAR FORMATION IN DENSE CLUSTERS. *Astrophysical Journal*, **2011**, 743, 98 4.7 27
- 1120 Preface. **2011**, xiii-xvi
- 1119 High energy astrophysics – an introduction. **2011**, 3-34 12
- 1118 Interactions of high energy photons. **2011**, 228-278
- 1117 Active galaxies. **2011**, 585-609
- 1116 The galaxies. **2011**, 77-98
- 1115 Clusters of galaxies. **2011**, 99-128
- 1114 Ionisation losses. **2011**, 131-153

- 1113 Radiation of accelerated charged particles and bremsstrahlung of electrons. **2011**, 154-177 0
- 1112 Synchrotron radiation. **2011**, 193-227 0
- 1111 Nuclear interactions. **2011**, 279-297
- 1110 Aspects of plasma physics and magnetohydrodynamics. **2011**, 298-330
- 1109 Dead stars. **2011**, 378-442
- 1108 Accretion power in astrophysics. **2011**, 443-492
- 1107 Cosmic rays. **2011**, 493-535
- 1106 The origin of cosmic rays in our Galaxy. **2011**, 536-560
- 1105 The acceleration of high energy particles. **2011**, 561-582
- 1104 Black holes in the nuclei of galaxies. **2011**, 610-636
- 1103 The vicinity of the black hole. **2011**, 637-660
- 1102 Extragalactic radio sources. **2011**, 661-680
- 1101 Compact extragalactic sources and superluminal motions. **2011**, 681-713 1
- 1100 Cosmological aspects of high energy astrophysics. **2011**, 714-752
- 1099 Appendix: Astronomical conventions and nomenclature. **2011**, 753-782
- 1098 Bibliography. **2011**, 783-824
- 1097 The chemical history of molecules in circumstellar disks. *Astronomy and Astrophysics*, **2011**, 534, A132 5.1 101
- 1096 Spectroscopy of very low mass stars and brown dwarfs in the Lambda Orionis star forming region. *Astronomy and Astrophysics*, **2011**, 536, A63 5.1 66

1095	Infall and outflow within 400 AU from a high-mass protostar. <i>Astronomy and Astrophysics</i> , <b>2011</b> , 535, L8	5.1	46
1094	Dense core formation by fragmentation of velocity-coherent filaments in L1517. <i>Astronomy and Astrophysics</i> , <b>2011</b> , 533, A34	5.1	125
1093	PRESTELLAR CORES IN THE COALSACK. <i>Astrophysical Journal</i> , <b>2011</b> , 738, 152	4.7	3
1092	Observational Studies of Pre-Stellar Cores and Infrared Dark Clouds. <b>2011</b> , 7, 19-32		11
1091	DEUTERIUM FRACTIONATION AS AN EVOLUTIONARY PROBE IN MASSIVE PROTOSTELLAR/CLUSTER CORES. <i>Astrophysical Journal</i> , <b>2011</b> , 743, 196	4.7	25
1090	A MULTI-EPOCH STUDY OF THE RADIO CONTINUUM EMISSION OF ORION SOURCE. I. CONSTRAINTS ON THE DISK EVOLUTION OF A MASSIVE YSO AND THE DYNAMICAL HISTORY OF ORION BN/KL. <i>Astrophysical Journal</i> , <b>2011</b> , 728, 15	4.7	85
1089	INFALL AND OUTFLOW MOTIONS IN THE HIGH-MASS STAR-FORMING COMPLEX G9.62+0.19. <i>Astrophysical Journal</i> , <b>2011</b> , 730, 102	4.7	21
1088	A MID-INFRARED CENSUS OF STAR FORMATION ACTIVITY IN BOLOCAM GALACTIC PLANE SURVEY SOURCES. <i>Astrophysical Journal</i> , <b>2011</b> , 731, 90	4.7	33
1087	INFALL AND OUTFLOW DETECTIONS IN A MASSIVE CORE JCMT 18354â0649S. <i>Astrophysical Journal</i> , <b>2011</b> , 728, 91	4.7	15
1086	MODES OF STAR FORMATION IN FINITE MOLECULAR CLOUDS. <i>Astrophysical Journal</i> , <b>2011</b> , 740, 88	4.7	69
1085	FILAMENTARY CONDENSATIONS IN A YOUNG CLUSTER. <i>Astrophysical Journal</i> , <b>2011</b> , 735, 82	4.7	30
1084	DENSE CORE FORMATION IN SUPERSONIC TURBULENT CONVERGING FLOWS. <i>Astrophysical Journal</i> , <b>2011</b> , 729, 120	4.7	72
1083	CLUSTERING PROPERTIES OF FAR-INFRARED SOURCES IN HI-GAL SCIENCE DEMONSTRATION PHASE FIELDS. <i>Astrophysical Journal</i> , <b>2011</b> , 735, 28	4.7	11
1082	DETECTION OF A BIPOLAR MOLECULAR OUTFLOW DRIVEN BY A CANDIDATE FIRST HYDROSTATIC CORE. <i>Astrophysical Journal</i> , <b>2011</b> , 742, 1	4.7	67
1081	Gas dynamics in massive dense cores in Cygnus-X. <i>Astronomy and Astrophysics</i> , <b>2011</b> , 527, A135	5.1	71
1080	MAGNETIC FIELD STRUCTURE AROUND LOW-MASS CLASS 0 PROTOSTARS: B335, L1527, AND IC348-SMM2. <i>Astrophysical Journal</i> , <b>2011</b> , 732, 97	4.7	51
1079	High resolution CO observation of massive star forming regions. <i>Astronomy and Astrophysics</i> , <b>2011</b> , 530, A53	5.1	15
1078	DIRECT IMAGING OF FINE STRUCTURES IN GIANT PLANET-FORMING REGIONS OF THE PROTOPLANETARY DISK AROUND AB AURIGAE. <i>Astrophysical Journal Letters</i> , <b>2011</b> , 729, L17	7.9	181

1077	RADIATION-HYDRODYNAMIC SIMULATIONS OF MASSIVE STAR FORMATION WITH PROTOSTELLAR OUTFLOWS. <i>Astrophysical Journal</i> , <b>2011</b> , 740, 107	4-7	110
1076	EVOLUTION AND LIFETIME OF TRANSIENT CLUMPS IN THE TURBULENT INTERSTELLAR MEDIUM. <i>Astrophysical Journal</i> , <b>2011</b> , 735, 99	4-7	11
1075	A submillimetre survey of the kinematics of the Perseus molecular cloud - III. Clump kinematics. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 410, 75-93	4-3	14
1074	Evidence for dynamically important magnetic fields in molecular clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 411, 2067-2075	4-3	17
1073	Forming protostars in molecular clouds with shocked envelope expansion and core collapse. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 412, 1755-1764	4-3	9
1072	Why are most molecular clouds not gravitationally bound?. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 413, 2935-2942	4-3	133
1071	Molecular cloud evolution - IV. Magnetic fields, ambipolar diffusion and the star formation efficiency. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 414, 2511-2527	4-3	111
1070	JCMT HARP CO 3-2 observations of molecular outflows in W5. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 418, 2121-2144	4-3	23
1069	Accretion-induced luminosity spreads in young clusters: evidence from stellar rotation. <b>2011</b> , 413, L56-L60		21
1068	The standard model of low-mass star formation applied to massive stars: multiwavelength modelling of IRAS 20126+4104. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 415, 2953-2968	4-3	12
1067	Smoothed Particle Hydrodynamics for astrophysical flows. <b>2011</b> , 126, 1		2
1066	Nonaxisymmetric instabilities of self-gravitating disks. I toroids. <i>Astrophysics and Space Science</i> , <b>2011</b> , 334, 1-26	1.6	6
1065	Magnetic fields in the nearby Universe, as observed in solar and planetary realms, stars, and interstellar starforming nurseries. <b>2011</b> , 55, 23-90		10
1064	MUSTANG 3.3 mm CONTINUUM OBSERVATIONS OF CLASS 0 PROTOSTARS. <b>2011</b> , 141, 39		17
1063	THE BOLOCAM GALACTIC PLANE SURVEY. V. HCO + AND N <sub>2</sub> H + SPECTROSCOPY OF 1.1 mm DUST CONTINUUM SOURCES. <b>2011</b> , 195, 14		62
1062	THE PHYSICAL PROPERTIES OF HIGH-MASS STAR-FORMING CLUMPS: A SYSTEMATIC COMPARISON OF MOLECULAR TRACERS. <b>2011</b> , 195, 1		30
1061	SPITZER INFRARED SPECTROGRAPH SURVEY OF YOUNG STARS IN THE CHAMAELEON I STAR-FORMING REGION. <b>2011</b> , 193, 11		51
1060	INFRARED AND OPTICAL POLARIMETRY AROUND THE LOW-MASS STAR-FORMING REGION NGC 1333 IRAS 4A. <b>2011</b> , 142, 33		18

1059 THE CHEMICAL AGE OF THE BOK GLOBULE CB238. **2011**, 142, 70

1058 From molecular clouds to prestellar cores: physics of the gravitational infall, filaments and open questions. **2011**, 51, 169-190 1

1057 Small-scale properties of low-mass Class 0 protostars: digging into the memory of accretion processes. **2011**, 51, 191-209

1056 Far-Infrared Polarimetry of the Interstellar Medium. **2011**, 52, 259-262

1055 Star Formation in Molecular Clouds. **2011**, 51, 133-167 17

1054 TESTING THE GLOBAL STAR FORMATION RELATION: AN HCO+(3-2) MAPPING STUDY OF REDMSXSOURCES IN THE BOLOCAM GALACTIC PLANE SURVEY. **2011**, 142, 94 9

1053 Multi-wavelength study of two possible cloud-cloud collision regions: IRAS 02459+6029 and IRAS 22528+5936. *Research in Astronomy and Astrophysics*, **2012**, 12, 1269-1279 1.5 2

1052 Recent developments in submillimeter polarimetry archives, the polarization spectrum and the interpretation of polarization data. **2012**,

1051 New nonlinear eigenmodes of a self-gravitating spherical charged dust molecular cloud. **2012**, 86, 025503 8

1050 Effect of Radiative Heat-Loss Function and Finite Larmor Radius Corrections on Jeans Instability of Viscous Thermally Conducting Self-Gravitating Astrophysical Plasma. **2012**, 2012, 1-14 8

1049 Formation of Low-Mass Stars and Brown Dwarfs. **2012**, 57, 91-127 3

1048 Properties of the high-mass star forming region IRAS 22475+5939. *Research in Astronomy and Astrophysics*, **2012**, 12, 845-856 1.5

1047 POLOCAM: a millimeter wavelength cryogenic polarimeter prototype for MUSIC-POL. **2012**,

1046 H<sub>2</sub>, H<sub>3</sub><sup>+</sup> and the age of molecular clouds and prestellar cores. **2012**, 370, 5200-12 13

1045 THE MAGNETIZED ENVIRONMENT OF THE W3(H<sub>2</sub>O) PROTOSTARS. *Astrophysical Journal Letters*, **2012**, 751, L13 7.9 12

1044 The Earliest Phases of Star Formation (EPoS): aHerschelkey program. *Astronomy and Astrophysics*, **2012**, 547, A49 5.1 94

1043 THE TWO STATES OF STAR-FORMING CLOUDS. *Astrophysical Journal*, **2012**, 750, 13 4.7 107

1042 Disc-mass distribution in star-disc encounters. *Astronomy and Astrophysics*, **2012**, 538, A10 5.1 18



1041	DARK MATTER SUBHALOS IN THE URSA MINOR DWARF GALAXY. <i>Astrophysical Journal</i> , <b>2012</b> , 757, 87	4.7	13
1040	INTERACTIONS BETWEEN MODERATE- AND LONG-PERIOD GIANT PLANETS: SCATTERING EXPERIMENTS FOR SYSTEMS IN ISOLATION AND WITH STELLAR FLYBYS. <i>Astrophysical Journal</i> , <b>2012</b> , 754, 57	4.7	48
1039	THE CLUSTERED NATURE OF STAR FORMATION. PRE-MAIN-SEQUENCE CLUSTERS IN THE STAR-FORMING REGION NGC 602/N90 IN THE SMALL MAGELLANIC CLOUD. <i>Astrophysical Journal</i> , <b>2012</b> , 748, 64	4.7	20
1038	CO2ICE TOWARD LOW-LUMINOSITY EMBEDDED PROTOSTARS: EVIDENCE FOR EPISODIC MASS ACCRETION VIA CHEMICAL HISTORY. <i>Astrophysical Journal</i> , <b>2012</b> , 758, 38	4.7	44
1037	DARK MATTER AS AN ACTIVE GRAVITATIONAL AGENT IN CLOUD COMPLEXES. <i>Astrophysical Journal</i> , <b>2012</b> , 748, 101	4.7	1
1036	AMBIPOLAR DIFFUSION IN ACTION: TRANSIENT C SHOCK STRUCTURE AND PRESTELLAR CORE FORMATION. <i>Astrophysical Journal</i> , <b>2012</b> , 744, 124	4.7	19
1035	SUBSTELLAR-MASS CONDENSATIONS IN PRESTELLAR CORES. <i>Astrophysical Journal Letters</i> , <b>2012</b> , 758, L25	7.9	21
1034	Water Masers Toward Star-Forming Regions in the Bolocam Galactic Plane Survey. <b>2012</b> , 8, 286-287		1
1033	SUBMILLIMETER ARRAY ANDSPITZER OBSERVATIONS OF BOK GLOBULE CB 17: A CANDIDATE FIRST HYDROSTATIC CORE?. <i>Astrophysical Journal</i> , <b>2012</b> , 751, 89	4.7	43
1032	MID-INFRARED EXTINCTION MAPPING OF INFRARED DARK CLOUDS. II. THE STRUCTURE OF MASSIVE STARLESS CORES AND CLUMPS. <i>Astrophysical Journal</i> , <b>2012</b> , 754, 5	4.7	116
1031	FORMING AN O STAR VIA DISK ACCRETION?. <i>Astrophysical Journal</i> , <b>2012</b> , 756, 170	4.7	24
1030	THE ROLE OF MULTIPLICITY IN DISK EVOLUTION AND PLANET FORMATION. <i>Astrophysical Journal</i> , <b>2012</b> , 745, 19	4.7	170
1029	Magnetic fields and star formation. <b>2012</b> , 53, 5.31-5.36		3
1028	Materials science: Cell environments programmed with light. <i>Nature</i> , <b>2012</b> , 482, 477-8	50.4	17
1027	Turbulent molecular clouds. <b>2012</b> , 20, 1		220
1026	Our astrochemical heritage. <b>2012</b> , 20, 1		247
1025	A new technique for electromagnetic characterization of spherical dust molecular cloud equilibrium structure. <b>2012</b> , 2, 77-89		1
1024	The environment and physics of the early solar system. <b>2012</b> , 59, 237-252		1

1023	Ion chemistry in space. <b>2012</b> , 75, 066901		156
1022	Gas pile-up, gap overflow and Type 1.5 migration in circumbinary discs: application to supermassive black hole binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2012</b> , 427, 2680-2700	4.3	71
1021	The role of protostellar jets in star formation and the evolution of the early solar system: Astrophysical and meteoritical perspectives. <b>2012</b> , 47, 1922-1940		5
1020	Star Formation in the Milky Way and Nearby Galaxies. <i>Annual Review of Astronomy and Astrophysics</i> , <b>2012</b> , 50, 531-608	31.7	1531
1019	Astrophysics: First results from Planck observatory. <i>Nature</i> , <b>2012</b> , 482, 475-7		50.4
1018	Magnetic Fields in Molecular Clouds. <i>Annual Review of Astronomy and Astrophysics</i> , <b>2012</b> , 50, 29-63	31.7	508
1017	The Earliest Phases of Star formation (EPoS) observed with Herschel: the dust temperature and density distributions of B68. <i>Astronomy and Astrophysics</i> , <b>2012</b> , 547, A11	5.1	70
1016	Massive binaries in the Cepheus OB2/3 region. <i>Astronomy and Astrophysics</i> , <b>2012</b> , 538, A74	5.1	40
1015	Star formation in the outer Galaxy: coronal properties of NGC 1893. <i>Astronomy and Astrophysics</i> , <b>2012</b> , 539, A74	5.1	19
1014	MAGNETIZATION OF CLOUD CORES AND ENVELOPES AND OTHER OBSERVATIONAL CONSEQUENCES OF RECONNECTION DIFFUSION. <i>Astrophysical Journal</i> , <b>2012</b> , 757, 154	4.7	73
1013	COMPLEX STRUCTURE IN CLASS 0 PROTOSTELLAR ENVELOPES. III. VELOCITY GRADIENTS IN NON-AXISYMMETRIC ENVELOPES, INFALL, OR ROTATION?. <i>Astrophysical Journal</i> , <b>2012</b> , 748, 16	4.7	55
1012	INITIAL CONDITIONS FOR STAR FORMATION IN CLUSTERS: PHYSICAL AND KINEMATICAL STRUCTURE OF THE STARLESS CORE Oph A-N6. <i>Astrophysical Journal</i> , <b>2012</b> , 745, 117	4.7	19
1011	THE FREE-FALL TIME OF FINITE SHEETS AND FILAMENTS. <i>Astrophysical Journal</i> , <b>2012</b> , 744, 190	4.7	49
1010	A YOUNG STELLAR CLUSTER WITHIN THE RCW41 H II REGION: DEEP NIR PHOTOMETRY AND OPTICAL/NIR POLARIMETRY. <i>Astrophysical Journal</i> , <b>2012</b> , 751, 138	4.7	12
1009	TOWARD UNDERSTANDING THE ORIGIN OF TURBULENCE IN MOLECULAR CLOUDS: SMALL-SCALE STRUCTURES AS UNITS OF DYNAMICAL MULTI-PHASE INTERSTELLAR MEDIUM. <i>Astrophysical Journal</i> , <b>2012</b> , 754, 95	4.7	7
1008	H2D+ IN THE HIGH-MASS STAR-FORMING REGION CYGNUS X. <i>Astrophysical Journal</i> , <b>2012</b> , 751, 135	4.7	18
1007	The discovery based on GLIMPSE data of a protostar driving a bipolar outflow. <i>Astronomy and Astrophysics</i> , <b>2012</b> , 540, A95	5.1	2
1006	Looking for outflow and infall signatures in high-mass star-forming regions. <i>Astronomy and Astrophysics</i> , <b>2012</b> , 538, A140	5.1	19

1005	Spectroscopy of new brown dwarf members of $\rho$ Ophiuchi and an updated initial mass function. <i>Astronomy and Astrophysics</i> , <b>2012</b> , 539, A151	5.1	50
1004	Dead zones around young stellar objects: dependence on physical parameters. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2012</b> , 420, 3139-3146	4.3	52
1003	Statistical analysis of the mass-to-flux ratio in turbulent cores: effects of magnetic field reversals and dynamo amplification. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2012</b> , no-no	4.3	4
1002	The Hall effect in star formation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2012</b> , 422, 261-281	4.3	47
1001	Dead zones around young stellar objects: FU Orionis outbursts and transition discs. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2012</b> , 423, 2718-2725	4.3	55
1000	Tracers of discs and winds around intermediate- and high-mass young stellar objects. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2012</b> , 424, 1088-1104	4.3	14
999	Ambipolar diffusion and magnetic reconnection. <b>2012</b> , 56, 138-145		6
998	Stars and substars nearest to the Sun: A study review. <b>2013</b> , 29, 141-156		
997	Astrophysics: A dark cloud unveils its secrets. <i>Nature</i> , <b>2013</b> , 500, 537-8	50.4	
996	Microbiology: Wealth management in the gut. <i>Nature</i> , <b>2013</b> , 500, 538-9	50.4	28
995	NEAR-INFRARED CIRCULAR POLARIZATION IMAGES OF NGC 6334-V. <i>Astrophysical Journal Letters</i> , <b>2013</b> , 765, L6	7.9	32
994	A CO mapping study of IRAS 02455+6034 region. <b>2013</b> , 22, 1-6		1
993	THE DYNAMICS OF MASSIVE STARLESS CORES WITH ALMA. <i>Astrophysical Journal</i> , <b>2013</b> , 779, 96	4.7	97
992	Nonlinear pulsational eigenmodes of a planar collisional dust molecular cloud with grain-charge fluctuation. <b>2013</b> , 67, 1		16
991	Spontaneous formation of nonspherical water ice grains in a plasma environment. <b>2013</b> , 40, 6258-6263		15
990	CO bandhead emission of massive young stellar objects: determining disc properties?. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2013</b> , 429, 2960-2973	4.3	50
989	The simulation of molecular clouds formation in the Milky Way. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2013</b> , 428, 2311-2320	4.3	32
988	Interplay of chemistry and dynamics in the low-mass star formation. <b>2013</b> , 113, 8961-80		13

987	Constraints on primordial black holes as dark matter candidates from star formation. <b>2013</b> , 87,		46
986	Stellar Multiplicity. <i>Annual Review of Astronomy and Astrophysics</i> , <b>2013</b> , 51, 269-310	31.7	752
985	A sub-parsec resolution simulation of the Milky Way: global structure of the interstellar medium and properties of molecular clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2013</b> , 436, 1836-1851	4.3	140
984	EARLY STAR-FORMING PROCESSES IN DENSE MOLECULAR CLOUD L328; IDENTIFICATION OF L328-IRS AS A PROTO-BROWN DWARF. <i>Astrophysical Journal</i> , <b>2013</b> , 777, 50	4.7	26
983	AN IMPRINT OF MOLECULAR CLOUD MAGNETIZATION IN THE MORPHOLOGY OF THE DUST POLARIZED EMISSION. <i>Astrophysical Journal</i> , <b>2013</b> , 774, 128	4.7	132
982	Near-infrared integral field spectroscopy of massive young stellar objects. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2013</b> , 436, 511-525	4.3	18
981	The RMS survey: near-IR spectroscopy of massive young stellar objects. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2013</b> , 430, 1125-1157	4.3	57
980	Quantifying chemical tagging: towards robust group finding in the Galaxy. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2013</b> , 428, 2321-2332	4.3	31
979	The astrochemical evolution of turbulent giant molecular clouds: physical processes and method of solution for hydrodynamic, embedded starless clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2013</b> , 431, 455-476	4.3	4
978	Condition for the formation of micron-sized dust grains in dense molecular cloud cores. <b>2013</b> , 434, L70-L74		37
977	Aligned grains and inferred toroidal magnetic fields in the envelopes of massive young stellar objects?. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2013</b> , 435, 3419-3436	4.3	6
976	High angular resolution millimetre continuum observations and modelling of S140-IRS1. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2013</b> , 428, 609-624	4.3	12
975	Unified models of molecular emission from Class 0 protostellar outflow sources. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2013</b> , 435, 289-302	4.3	4
974	Essential Astrophysics. <b>2013</b> ,		11
973	SMA OBSERVATIONS OF CLASS 0 PROTOSTARS: A HIGH ANGULAR RESOLUTION SURVEY OF PROTOSTELLAR BINARY SYSTEMS. <i>Astrophysical Journal</i> , <b>2013</b> , 768, 110	4.7	106
972	EARLY EVOLUTION OF PRESTELLAR CORES. <i>Astrophysical Journal</i> , <b>2013</b> , 773, 131	4.7	4
971	MAPPING STUDY OF 71 PLANCK COLD CLUMPS IN THE TAURUS, PERSEUS, AND CALIFORNIA COMPLEXES. <b>2013</b> , 209, 37		28
970	GAS KINEMATICS AND THE DRAGGED MAGNETIC FIELD IN THE HIGH-MASS MOLECULAR OUTFLOW SOURCE G192.16&B.84: AN SMA VIEW. <i>Astrophysical Journal</i> , <b>2013</b> , 771, 71	4.7	22

969	FROM POLOIDAL TO TOROIDAL: DETECTION OF A WELL-ORDERED MAGNETIC FIELD IN THE HIGH-MASS PROTOCLUSTER G35.2&0.74 N. <i>Astrophysical Journal</i> , <b>2013</b> , 779, 182	4-7	31
968	UNVEILING THE EVOLUTIONARY SEQUENCE FROM INFALLING ENVELOPES TO KEPLERIAN DISKS AROUND LOW-MASS PROTOSTARS. <i>Astrophysical Journal</i> , <b>2013</b> , 772, 22	4-7	66
967	Sequential clustering of star formations in IC 1396. <i>Research in Astronomy and Astrophysics</i> , <b>2013</b> , 13, 557-570	1.5	1
966	CARMA OBSERVATIONS OF PROTOSTELLAR OUTFLOWS IN NGC 1333. <i>Astrophysical Journal</i> , <b>2013</b> , 774, 22	4-7	79
965	NEWLY IDENTIFIED EXTENDED GREEN OBJECTS (EGOs) FROM THE SPITZER GLIMPSE II SURVEY. I. CATALOG. <b>2013</b> , 206, 9		41
964	Molecular outflows and gas rotation associated with G20.08&0.14N. <i>Research in Astronomy and Astrophysics</i> , <b>2013</b> , 13, 1295-1306	1.5	1
963	EFFICIENT SELECTION AND CLASSIFICATION OF INFRARED EXCESS EMISSION STARS BASED ON AKARI AND 2MASS DATA. <b>2013</b> , 145, 126		3
962	ALIGNMENT BETWEEN FLATTENED PROTOSTELLAR INFALL ENVELOPES AND AMBIENT MAGNETIC FIELDS. <i>Astrophysical Journal</i> , <b>2013</b> , 770, 151	4-7	81
961	INFRARED SPECTROSCOPIC SURVEY OF THE QUIESCENT MEDIUM OF NEARBY CLOUDS. I. ICE FORMATION AND GRAIN GROWTH IN LUPUS. <i>Astrophysical Journal</i> , <b>2013</b> , 777, 73	4-7	29
960	Transport and influence of angular momentum in collapsing dense cores. <b>2013</b> , 62, 67-94		2
959	THE RED MSX SOURCE SURVEY: THE MASSIVE YOUNG STELLAR POPULATION OF OUR GALAXY. <b>2013</b> , 208, 11		173
958	Habitability in different Milky Way stellar environments: a stellar interaction dynamical approach. <b>2013</b> , 13, 491-509		22
957	Thermal and hydrostatic structure of the protoplanetary disks: Influences of wind strengths, mass distributions, and stellar wind velocity laws. <b>2013</b> , 65, 823-833		
956	A family of cometary globules at the periphery of Cyg OB1: the star HBHA 3703&01 and the reflection nebula GM 2&09. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2013</b> , 432, 2273-2283	4-3	3
955	THE INITIAL MASS FUNCTION OF FIELD OB STARS IN THE SMALL MAGELLANIC CLOUD. <i>Astrophysical Journal</i> , <b>2013</b> , 763, 101	4-7	16
954	Herschelview of the Taurus B211/3 filament and striations: evidence of filamentary growth?. <i>Astronomy and Astrophysics</i> , <b>2013</b> , 550, A38	5-1	321
953	On the origin of non-self-gravitating filaments in the ISM. <i>Astronomy and Astrophysics</i> , <b>2013</b> , 556, A153	5-1	98
952	Ion-neutral friction and accretion-driven turbulence in self-gravitating filaments. <i>Astronomy and Astrophysics</i> , <b>2013</b> , 560, A68	5-1	44

951	Cores, filaments, and bundles: hierarchical core formation in the L1495/B213 Taurus region. <i>Astronomy and Astrophysics</i> , <b>2013</b> , 554, A55	5.1	246
950	High-angular resolution observations towards OMC-2 FIR 4: Dissecting an intermediate-mass protocluster. <i>Astronomy and Astrophysics</i> , <b>2013</b> , 556, A62	5.1	33
949	HERSCHEL/PACS SPECTROSCOPIC SURVEY OF PROTOSTARS IN ORION: THE ORIGIN OF FAR-INFRARED CO EMISSION. <i>Astrophysical Journal</i> , <b>2013</b> , 763, 83	4.7	74
948	Molecular hydrogen in the damped Lyman $\alpha$ system towards GRB 120815A at $z = 2.36$ . <i>Astronomy and Astrophysics</i> , <b>2013</b> , 557, A18	5.1	69
947	ORIGIN OF THE DENSE CORE MASS FUNCTION IN CONTRACTING FILAMENTS. <i>Astrophysical Journal</i> , <b>2013</b> , 764, 140	4.7	18
946	Nebular gas drag and planetary accretion with eccentric high-mass planets. <i>Astronomy and Astrophysics</i> , <b>2013</b> , 552, A66	5.1	3
945	X-shooter spectroscopy of young stellar objects. <i>Astronomy and Astrophysics</i> , <b>2013</b> , 551, A107	5.1	89
944	Water in star-forming regions with Herschel (WISH). <i>Astronomy and Astrophysics</i> , <b>2013</b> , 552, A141	5.1	90
943	The HIFI spectral survey of AFGL 2591 (CHESS). <i>Astronomy and Astrophysics</i> , <b>2013</b> , 553, A11	5.1	10
942	Herschelview of the large-scale structure in the Chamaeleon dark clouds. <i>Astronomy and Astrophysics</i> , <b>2014</b> , 568, A98	5.1	47
941	Far-infrared molecular lines from low- to high-mass star forming regions observed with Herschel. <i>Astronomy and Astrophysics</i> , <b>2014</b> , 562, A45	5.1	30
940	Does the mass distribution in discs influence encounter-induced losses in young star clusters?. <i>Astronomy and Astrophysics</i> , <b>2014</b> , 565, A32	5.1	12
939	Old pre-main-sequence stars. <i>Astronomy and Astrophysics</i> , <b>2014</b> , 566, L3	5.1	15
938	Young stellar object candidates toward the Orion region selected from GALEX. <i>Astronomy and Astrophysics</i> , <b>2014</b> , 572, A89	5.1	6
937	Investigation of star formation toward the Sharpless 155 H II region. <i>Research in Astronomy and Astrophysics</i> , <b>2014</b> , 14, 1269-1278	1.5	1
936	WISEY DWARFS AS PROBES OF THE BROWN DWARF-EXOPLANET CONNECTION. <i>Astrophysical Journal</i> , <b>2014</b> , 783, 68	4.7	72
935	SUBMILLIMETER ARRAY OBSERVATIONS OF MAGNETIC FIELDS IN G240.31+0.07: AN HOURGLASS IN A MASSIVE CLUSTER-FORMING CORE. <i>Astrophysical Journal Letters</i> , <b>2014</b> , 794, L18	7.9	42
934	THE SLOW IONIZED WIND AND ROTATING DISKLIKE SYSTEM THAT ARE ASSOCIATED WITH THE HIGH-MASS YOUNG STELLAR OBJECT G345.4938+01.4677. <i>Astrophysical Journal</i> , <b>2014</b> , 796, 117	4.7	32

933	AN EVOLUTIONARY MODEL FOR COLLAPSING MOLECULAR CLOUDS AND THEIR STAR FORMATION ACTIVITY. II. MASS DEPENDENCE OF THE STAR FORMATION RATE. <i>Astrophysical Journal</i> , <b>2014</b> , 793, 84	4-7	32
932	Methanol along the path from envelope to protoplanetary disc. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 445, 913-929	4-3	42
931	The James Clerk Maxwell Telescope dense gas survey of the Perseus molecular cloud. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 440, 3568-3587	4-3	11
930	The software-based polarization spectrometer PolariS. <b>2014</b> ,		
929	Multi-epoch subarcsecond [Fe ii] spectroimaging of the DG Tau outflows with NIFS. On the nature of the bipolar outflow asymmetry. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 442, 28-42	4-3	10
928	Short-Lived Radionuclides and Early Solar System Chronology. <b>2014</b> , 361-395		26
927	Signatures of warm carbon monoxide in protoplanetary discs observed with Herschel SPIRE?. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 444, 3911-3925	4-3	16
926	Gravitational instability in protostellar discs at low metallicities. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 439, 1884-1896	4-3	32
925	Star formation activity in the southern Galactic H ii region G351.63. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 440, 3078-3090	4-3	10
924	Thermal design and performance of the balloon-borne large aperture submillimeter telescope for polarimetry BLASTPol. <b>2014</b> ,		3
923	Conditions for circumstellar disc formation: effects of initial cloud configuration and sink treatment. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 438, 2278-2306	4-3	82
922	Accretion and diffusion time-scales in sheets and filaments. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 443, 230-240	4-3	17
921	Chemical variation in molecular cloud cores in the Orion A Cloud. III. <b>2014</b> , 66, 119		14
920	Ambipolar diffusion in smoothed particle magnetohydrodynamics. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 444, 1104-1112	4-3	31
919	ALIGNMENT OF PROTOSTARS AND CIRCUMSTELLAR DISKS DURING THE EMBEDDED PHASE. <i>Astrophysical Journal Letters</i> , <b>2014</b> , 797, L29	7-9	20
918	Adiabatic contraction revisited: Implications for primordial black holes. <b>2014</b> , 90,		22
917	OPTICAL/NEAR-INFRARED POLARIZATION SURVEY OF Sh 2-29: MAGNETIC FIELDS, DENSE CLOUD FRAGMENTATIONS, AND ANOMALOUS DUST GRAIN SIZES. <i>Astrophysical Journal</i> , <b>2014</b> , 783, 1	4-7	28
916	SpeX SPECTROSCOPY OF UNRESOLVED VERY LOW MASS BINARIES. II. IDENTIFICATION OF 14 CANDIDATE BINARIES WITH LATE-M/EARLY-L AND T DWARF COMPONENTS. <i>Astrophysical Journal</i> , <b>2014</b> , 794, 143	4-7	71

915	ON THE ROLE OF PSEUDODISK WARPING AND RECONNECTION IN PROTOSTELLAR DISK FORMATION IN TURBULENT MAGNETIZED CORES. <i>Astrophysical Journal</i> , <b>2014</b> , 793, 130	4-7	40
914	INDUCED CORE FORMATION TIME IN SUBCRITICAL MAGNETIC CLOUDS BY LARGE-SCALE TRANS-ALFVÉNIC FLOWS. <i>Astrophysical Journal</i> , <b>2014</b> , 794, 127	4-7	9
913	Dynamics versus structure: breaking the density degeneracy in star formation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 445, 4037-4044	4-3	41
912	Rapid evolution of the innermost dust disc of protoplanetary discs surrounding intermediate-mass stars. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 442, 2543-2559	4-3	26
911	Tidal Stability of Giant Molecular Clouds in the Large Magellanic Cloud. <b>2014</b> , 31,		5
910	FORMATION OF MAGNETIZED PRESTELLAR CORES WITH AMBIPOLAR DIFFUSION AND TURBULENCE. <i>Astrophysical Journal</i> , <b>2014</b> , 785, 69	4-7	72
909	MODELING JET AND OUTFLOW FEEDBACK DURING STAR CLUSTER FORMATION. <i>Astrophysical Journal</i> , <b>2014</b> , 790, 128	4-7	119
908	EFFECTS OF TURBULENCE ON COSMIC RAY PROPAGATION IN PROTOSTARS AND YOUNG STAR/DISK SYSTEMS. <i>Astrophysical Journal</i> , <b>2014</b> , 787, 26	4-7	6
907	BINARY-DISK INTERACTION. II. GAP-OPENING CRITERIA FOR UNEQUAL-MASS BINARIES. <i>Astrophysical Journal</i> , <b>2014</b> , 780, 84	4-7	14
906	RADIO VARIABILITY SURVEY OF VERY LOW LUMINOSITY PROTOSTARS. <i>Astrophysical Journal</i> , <b>2014</b> , 789, 9	4-7	5
905	DIVERSITY OF EXTRASOLAR PLANETS AND DIVERSITY OF MOLECULAR CLOUD CORES. I. SEMIMAJOR AXES. <i>Astrophysical Journal</i> , <b>2014</b> , 783, 37	4-7	14
904	THERMAL STARLESS AMMONIA CORE SURROUNDED BY CCS IN THE ORION A CLOUD. <i>Astrophysical Journal</i> , <b>2014</b> , 789, 83	4-7	9
903	ALMA OBSERVATIONS OF INFALLING FLOWS TOWARD THE KEPLERIAN DISK AROUND THE CLASS I PROTOSTAR L1489 IRS. <i>Astrophysical Journal</i> , <b>2014</b> , 793, 1	4-7	67
902	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> , <b>2014</b> , 437, 3766-3775	4-3	11
901	Constraints on massive star formation: Cygnus OB2 was always an association. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 438, 639-646	4-3	87
900	DISTRIBUTIONS OF SHORT-LIVED RADIOACTIVE NUCLEI PRODUCED BY YOUNG EMBEDDED STAR CLUSTERS. <i>Astrophysical Journal</i> , <b>2014</b> , 789, 86	4-7	25
899	DO CLOUD-CLOUD COLLISIONS TRIGGER HIGH-MASS STAR FORMATION? I. SMALL CLOUD COLLISIONS. <i>Astrophysical Journal</i> , <b>2014</b> , 792, 63	4-7	101
898	Reconnection Diffusion in Turbulent Fluids and Its Implications for Star Formation. <b>2014</b> , 181, 1-59		31



897	Fossil magnetic field of accretion disks of young stars. <i>Astrophysics and Space Science</i> , <b>2014</b> , 352, 103-121.6	23
896	The big problems in star formation: The star formation rate, stellar clustering, and the initial mass function. <b>2014</b> , 539, 49-134	202
895	Structure and mass function of three young open clusters. <b>2014</b> , 29, 1-8	1
894	The action principle for generalized fluid motion including gyroviscosity. <b>2014</b> , 378, 3526-3532	11
893	General polytropic Larson-Penston-type collapses. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 445, 1186-1204	4.3 10
892	Complex organic molecules along the accretion flow in isolated and externally irradiated protoplanetary disks. <b>2014</b> , 168, 389-421	18
891	HERSCHEL KEY PROGRAM, "DUST, ICE, AND GAS IN TIME" (DIGIT): THE ORIGIN OF MOLECULAR AND ATOMIC EMISSION IN LOW-MASS PROTOSTARS IN TAURUS. <b>2014</b> , 214, 21	11
890	Nonaxisymmetric instabilities in self-gravitating disks. II. Linear and quasi-linear analyses. <i>Astrophysics and Space Science</i> , <b>2014</b> , 353, 191-222	1.6 6
889	TADPOL: A 1.3 mm SURVEY OF DUST POLARIZATION IN STAR-FORMING CORES AND REGIONS. <b>2014</b> , 213, 13	158
888	The Solar Nebula. <b>2014</b> , 37-53	0
887	Effect of dust grain porosity on the appearance of protoplanetary disks. <i>Astronomy and Astrophysics</i> , <b>2014</b> , 568, A103	5.1 25
886	Simulations of magnetized multiphase galactic disc regulated by supernovae explosions. <i>Astronomy and Astrophysics</i> , <b>2014</b> , 570, A81	5.1 77
885	Software Polarization Spectrometer "Polaris". <b>2014</b> , 03, 1450010	7
884	. <b>2014</b> ,	
883	Magnetic fields in gaps surrounding giant protoplanets. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 451, 1104-1116	4.3 8
882	Timing of Nebula Processes That Shaped the Precursors of the Terrestrial Planets. <b>2015</b> , 1-26	3
881	ALMA OBSERVATIONS OF THE TRANSITION FROM INFALL MOTION TO KEPLERIAN ROTATION AROUND THE LATE-PHASE PROTOSTAR TMC-1A. <i>Astrophysical Journal</i> , <b>2015</b> , 812, 27	4.7 64
880	OUTFLOWS AND BUBBLES IN TAURUS: STAR-FORMATION FEEDBACK SUFFICIENT TO MAINTAIN TURBULENCE. <b>2015</b> , 219, 20	32

879	MAGNETIC ORIGINS OF THE STELLAR MASS-OBLIQUITY CORRELATION IN PLANETARY SYSTEMS. <i>Astrophysical Journal</i> , <b>2015</b> , 811, 82	4-7	46
878	MILLIMETER SOURCE 13 S IN R CrA: OBSERVATIONS OF A PROTO-HERBIG Ae SYSTEM CANDIDATE. <i>Astrophysical Journal</i> , <b>2015</b> , 809, 86	4-7	1
877	ANISOTROPIC FORMATION OF MAGNETIZED CORES IN TURBULENT CLOUDS. <i>Astrophysical Journal</i> , <b>2015</b> , 810, 126	4-7	45
876	EXTREMELY ENERGETIC OUTFLOW AND DECELERATED EXPANSION IN W49N. <i>Astrophysical Journal</i> , <b>2015</b> , 810, 147	4-7	6
875	NARROW Na AND K ABSORPTION LINES TOWARD T TAURI STARS: TRACING THE ATOMIC ENVELOPE OF MOLECULAR CLOUDS. <i>Astrophysical Journal</i> , <b>2015</b> , 814, 14	4-7	16
874	Acceleration of cosmic rays and gamma-ray emission from supernova remnant/molecular cloud associations. <b>2015</b> , 105, 02001		1
873	Multi-fluid systemsâMulti-Beltrami relaxed states and their implications. <b>2015</b> , 22, 092123		33
872	Herschel/PACS view of disks around low-mass stars and brown dwarfs in the TW Hydrae association. <i>Astronomy and Astrophysics</i> , <b>2015</b> , 573, A63	5-1	8
871	NO KEPLERIAN DISK >10 AU AROUND THE PROTOSTAR B335: MAGNETIC BRAKING OR YOUNG AGE?. <i>Astrophysical Journal</i> , <b>2015</b> , 812, 129	4-7	42
870	CONSTRAINTS ON THE INITIAL-FINAL MASS RELATION FROM WIDE DOUBLE WHITE DWARFS. <i>Astrophysical Journal</i> , <b>2015</b> , 815, 63	4-7	31
869	HIGH-RESOLUTION 8 mm AND 1 cm POLARIZATION OF IRAS 4A FROM THE VLA NASCENT DISK AND MULTIPLICITY (VANDAM) SURVEY. <i>Astrophysical Journal Letters</i> , <b>2015</b> , 814, L28	7-9	44
868	A distance-limited sample of massive star-forming cores from the RMS survey. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 452, 637-655	4-3	22
867	Magnetized interstellar molecular clouds âl. Comparison between simulations and Zeeman observations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 452, 2500-2527	4-3	57
866	A distance-limited sample of massive molecular outflows. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 453, 645-665	4-3	70
865	Z45: A new 45-GHz band dual-polarization HEMT receiver for the NRO 45-m radio telescope. <b>2015</b> , 67, 117		13
864	A DEEP NEAR-INFRARED SURVEY TOWARD THE AQUILA MOLECULAR CLOUD. I. MOLECULAR HYDROGEN OUTFLOWS. <b>2015</b> , 219, 21		11
863	YOUNG STELLAR OBJECTS IN THE GOULD BELT. <b>2015</b> , 220, 11		173
862	Delay of planet formation at large radius and the outward decrease in mass and gas content of Jovian planets. <i>Research in Astronomy and Astrophysics</i> , <b>2015</b> , 15, 1597-1603	1-5	

861	WIDE-FIELD INFRARED POLARIMETRY OF THE [D]PHIUCHI CLOUD CORE. <b>2015</b> , 220, 17		18
860	Strong effect of the cluster environment on the size of protoplanetary discs?. <i>Astronomy and Astrophysics</i> , <b>2015</b> , 577, A115	5-1	55
859	Formation of star clusters: Models and simulations. <b>2015</b> , 11, 130-137		
858	Theory of Protostellar Disk Formation. <b>2015</b> , 11, 118-125		
857	Comparison of Low-Mass and High-Mass Star Formation. <b>2015</b> , 11, 154-162		1
856	The effect of external environment on the evolution of protostellar disks. <i>Astronomy and Astrophysics</i> , <b>2015</b> , 573, A5	5-1	13
855	Hot ammonia around young O-type stars. <i>Astronomy and Astrophysics</i> , <b>2015</b> , 573, A108	5-1	14
854	Testing the chemical tagging technique with open clusters. <i>Astronomy and Astrophysics</i> , <b>2015</b> , 577, A47	5-1	55
853	An infrared study of local galaxy mergers. <i>Astronomy and Astrophysics</i> , <b>2015</b> , 577, A119	5-1	11
852	COSMOLOGICAL IMPACT OF POPULATION III BINARIES. <i>Astrophysical Journal</i> , <b>2015</b> , 802, 13	4-7	11
851	Dynamics of molecular clouds: observations, simulations, and NIF experiments. <b>2015</b> ,		1
850	The effect of ambipolar diffusion on the inflow/outflow of standard accretion discs. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 450, 4342-4349	4-3	2
849	Impact of magnetic fields on molecular cloud formation and evolution. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 451, 3340-3353	4-3	48
848	VERTICAL EQUILIBRIUM, ENERGETICS, AND STAR FORMATION RATES IN MAGNETIZED GALACTIC DISKS REGULATED BY MOMENTUM FEEDBACK FROM SUPERNOVAE. <i>Astrophysical Journal</i> , <b>2015</b> , 815, 67	4-7	69
847	A survey of extended H <sub>2</sub> emission from massive YSOs. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 450, 4364-4398	4-3	20
846	OBSERVATIONS OF INFALLING AND ROTATIONAL MOTIONS ON A 1000 AU SCALE AROUND 17 CLASS 0 AND 0/I PROTOSTARS: HINTS OF DISK GROWTH AND MAGNETIC BRAKING?. <i>Astrophysical Journal</i> , <b>2015</b> , 799, 193	4-7	61
845	KINEMATICS IN PARTIALLY IONIZED MOLECULAR CLOUDS: IMPLICATIONS FOR THE TRANSITION TO COHERENCE. <i>Astrophysical Journal</i> , <b>2015</b> , 798, 75	4-7	8
844	The dynamics of collapsing cores and star formation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 446, 3731-3740	4-3	51

843	Study on morphology and growth of water-ice grains spontaneously generated in a laboratory plasma. <b>2015</b> , 127, 83-91		9
842	Water in the Evolution of the Earth and Other Terrestrial Planets. <b>2015</b> , 105-144		9
841	The formation of the solar system. <b>2015</b> , 90, 068001		36
840	SHORT GMC LIFETIMES: AN OBSERVATIONAL ESTIMATE WITH THE PdBI ARCSECOND WHIRLPOOL SURVEY (PAWS). <i>Astrophysical Journal</i> , <b>2015</b> , 806, 72	4-7	60
839	THE DEUTERIUM FRACTIONATION TIMESCALE IN DENSE CLOUD CORES: A PARAMETER SPACE EXPLORATION. <i>Astrophysical Journal</i> , <b>2015</b> , 804, 98	4-7	48
838	Episodic molecular outflow in the very young protostellar cluster Serpens South. <i>Nature</i> , <b>2015</b> , 527, 70-350.4		46
837	Infall, outflow, and turbulence in massive star-forming cores in the G333 giant molecular cloud. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 453, 3246-3257	4-3	7
836	PRESTELLAR CORE FORMATION, EVOLUTION, AND ACCRETION FROM GRAVITATIONAL FRAGMENTATION IN TURBULENT CONVERGING FLOWS. <i>Astrophysical Journal</i> , <b>2015</b> , 806, 31	4-7	29
835	EXTREMELY BRIGHT SUBMILLIMETER GALAXIES BEYOND THE LUPUS-I STAR-FORMING REGION. <i>Astrophysical Journal</i> , <b>2015</b> , 808, 121	4-7	2
834	INTERNAL AND RELATIVE MOTIONS OF THE TAURUS AND OPHIUCHUS STAR-FORMING REGIONS. <i>Astrophysical Journal</i> , <b>2015</b> , 807, 119	4-7	22
833	Constraints from Comets on the Formation and Volatile Acquisition of the Planets and Satellites. <b>2015</b> , 197, 297-342		21
832	CARMA CO OBSERVATIONS OF THREE EXTREMELY METAL-POOR, STAR-FORMING GALAXIES. <i>Astrophysical Journal</i> , <b>2015</b> , 814, 30	4-7	7
831	Observations of Solids in Protoplanetary Disks. <b>2015</b> , 127, 961-993		69
830	OBSERVATIONS OF WARM CARBON CHAIN CHEMISTRY IN NGC 3576. <i>Astrophysical Journal</i> , <b>2015</b> , 798, 36	4-7	3
829	Recent Advances on Solar Global Magnetism and Variability. <b>2015</b> , 196, 101-136		50
828	A PROTOSTELLAR JET EMANATING FROM A HYPERCOMPACT H II REGION. <i>Astrophysical Journal</i> , <b>2016</b> , 826, 208	4-7	19
827	DENSE MOLECULAR CORES BEING EXTERNALLY HEATED. <i>Astrophysical Journal</i> , <b>2016</b> , 824, 85	4-7	3
826	THE CHEMICAL HOMOGENEITY OF OPEN CLUSTERS. <i>Astrophysical Journal</i> , <b>2016</b> , 817, 49	4-7	87

825	STAR FORMATION AND FEEDBACK: A MOLECULAR OUTFLOWâPRESTELLAR CORE INTERACTION IN L1689N. <i>Astrophysical Journal</i> , <b>2016</b> , 827, 133	4.7	7
824	CHANGE OF MAGNETIC FIELD-GAS ALIGNMENT AT THE GRAVITY-DRIVEN ALFVNIC TRANSITION IN MOLECULAR CLOUDS: IMPLICATIONS FOR DUST POLARIZATION OBSERVATIONS. <i>Astrophysical Journal</i> , <b>2016</b> , 829, 84	4.7	40
823	MAGNETIC FIELD STRENGTHS IN PHOTODISSOCIATION REGIONS. <i>Astrophysical Journal</i> , <b>2016</b> , 816, 22	4.7	9
822	THE RUNAWAYS AND ISOLATED O-TYPE STAR SPECTROSCOPIC SURVEY OF THE SMC (RIOTS4). <i>Astrophysical Journal</i> , <b>2016</b> , 817, 113	4.7	31
821	HELICAL MAGNETIC FIELDS IN THE NGC 1333 IRAS 4A PROTOSTELLAR OUTFLOWS. <i>Astrophysical Journal</i> , <b>2016</b> , 819, 159	4.7	34
820	The structure and early evolution of massive star forming regions. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 594, A118	5.1	3
819	Non-linear dense core formation in the dark cloud L1517. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 463, 4301-4310	4.3	15
818	Characterising the physical and chemical properties of a young Class 0 protostellar core embedded in the Orion B9 filament. <i>Astrophysics and Space Science</i> , <b>2016</b> , 361, 1	1.6	2
817	Parallel Algorithm for Simulation of Fragmentation and Formation of Filamentous Structures in Molecular Clouds. <b>2016</b> , 146-157		1
816	Measurements of the nonlinear beat wave produced by the interaction of counterpropagating Alfvn waves. <b>2016</b> , 23, 022305		6
815	A SEARCH FOR VERY LOW-LUMINOSITY OBJECTS IN GOULD BELT CLOUDS. <b>2016</b> , 225, 26		7
814	Protostars: Forges of cosmic rays?. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 590, A8	5.1	58
813	Magnetic field amplification in turbulent astrophysical plasmas. <b>2016</b> , 82,		63
812	Supercomputing. <b>2016</b> ,		1
811	A search for ionized jets towards massive young stellar objects. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 460, 1039-1053	4.3	57
810	Why Do Some Cores Remain Starless?. <b>2016</b> , 33,		0
809	A CONSTRAINT ON THE FORMATION TIMESCALE OF THE YOUNG OPEN CLUSTER NGC 2264: LITHIUM ABUNDANCE OF PRE-MAIN SEQUENCE STARS. <i>Astrophysical Journal</i> , <b>2016</b> , 831, 116	4.7	12
808	THE JCMT GOULD BELT SURVEY: DENSE CORE CLUSTERS IN ORION A. <i>Astrophysical Journal</i> , <b>2016</b> , 833, 44	4.7	22

807	DISCOVERY OF INFALLING MOTION WITH ROTATION OF THE CLUSTER-FORMING CLUMP S235AB AND ITS IMPLICATION TO THE CLUMP STRUCTURES. <i>Astrophysical Journal</i> , <b>2016</b> , 832, 205	4-7	7
806	Molecular clouds and star formation toward the Galactic plane within $216.25^{\circ} \leq l \leq 18.75^{\circ}$ and $-0.75^{\circ} \leq b \leq 1.25^{\circ}$ . <i>Astronomy and Astrophysics</i> , <b>2016</b> , 588, A104	5-1	15
805	The ALMA Protostellar Interferometric Line Survey (PILS). <i>Astronomy and Astrophysics</i> , <b>2016</b> , 595, A117	5-1	194
804	Interstellar Medium and Star Formation Studies with the Square Kilometre Array. <b>2016</b> , 37, 1		
803	An analytical model for the evolution of starless cores II. The constant-mass case. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 459, 2651-2669	4-3	5
802	Resolved Observations of Transition Disks. <b>2016</b> , 33,		37
801	Statistical investigation and thermal properties for a 1-D impact system with dissipation. <b>2016</b> , 380, 1830-1838	5	
800	SPIN-ORBIT MISALIGNMENT AS A DRIVER OF THE KEPLER DICHOTOMY. <i>Astrophysical Journal</i> , <b>2016</b> , 830, 5	4-7	54
799	AMMONIA AND CO OUTFLOW AROUND 6.7 GHz METHANOL MASERS. <b>2016</b> , 152, 92		11
798	CLUSTER DYNAMICS LARGELY SHAPES PROTOPLANETARY DISK SIZES. <i>Astrophysical Journal</i> , <b>2016</b> , 828, 48	4-7	60
797	The role of non-ionizing radiation pressure in star formation: the stability of cores and filaments. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 461, 1088-1099	4-3	8
796	Investigating the structure and fragmentation of a highly filamentary IRDC. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 463, 146-169	4-3	39
795	GAS OF 96 PLANCK COLD CLUMPS IN THE SECOND QUADRANT. <b>2016</b> , 224, 43		18
794	PROTOSTARS AT LOW EXTINCTION IN ORION A. <i>Astrophysical Journal</i> , <b>2016</b> , 825, 91	4-7	9
793	DYNAMICS OF CIRCUMSTELLAR DISKS. III. THE CASE OF GG Tau A. <i>Astrophysical Journal</i> , <b>2016</b> , 827, 93	4-7	18
792	Self-gravitating disc candidates around massive young stars. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 463, 957-964	4-3	21
791	THE LOCATION, CLUSTERING, AND PROPAGATION OF MASSIVE STAR FORMATION IN GIANT MOLECULAR CLOUDS. <i>Astrophysical Journal</i> , <b>2016</b> , 832, 43	4-7	11
790	Planck intermediate results. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 586, A136	5-1	63

789	SMA observations of the W3(OH) complex: Dynamical differentiation between W3(H2O) and W3(OH). <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 456, 2681-2691	4-3	13
788	Star formation towards the southern cometary H <sub>2</sub> region IRAS 17256-631. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 456, 2425-2445	4-3	15
787	Molecular cloud formation in high-shear, magnetized colliding flows. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 460, 2110-2128	4-3	21
786	Feedback of the HBe star IL Cep on nearby molecular cloud and star formation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 458, 4222-4237	4-3	3
785	Detection of a turbulent gas component associated with a starless core with subthermal turbulence in the Orion A cloud. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 459, 4130-4135	4-3	3
784	Angular momentum of the N <sub>2</sub> H <sup>+</sup> -cores in the Orion A cloud. <b>2016</b> , 68, 24		20
783	Galaxy And Mass Assembly (GAMA): Panchromatic Data Release (far-UV to far-IR) and the low-zenergy budget. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 455, 3911-3942	4-3	100
782	Protostellar disc formation enabled by removal of small dust grains. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 460, 2050-2076	4-3	74
781	GG Tau: the ringworld and beyond. <b>2016</b> , 24, 1		24
780	Negative Ions in Space. <b>2017</b> , 117, 1765-1795		112
779	THE IMPACT OF FEEDBACK DURING MASSIVE STAR FORMATION BY CORE ACCRETION. <i>Astrophysical Journal</i> , <b>2017</b> , 835, 32	4-7	43
778	Dynamical Timescale of Pre-collapse Evolution Inferred from Chemical Distribution in the Taurus Molecular Cloud-1 (TMC-1) Filament. <b>2017</b> , 229, 38		4
777	SYNTHETIC OBSERVATIONS OF MAGNETIC FIELDS IN PROTOSTELLAR CORES. <i>Astrophysical Journal</i> , <b>2017</b> , 834, 201	4-7	29
776	Systematic Analysis of Spectral Energy Distributions and the Dust Opacity Indices for Class 0 Young Stellar Objects. <i>Astrophysical Journal</i> , <b>2017</b> , 840, 72	4-7	38
775	Time evolution of the water snowline in viscous discs. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 467, 2869-2878	4-3	6
774	Molecular Gas toward the Gemini OB1 Molecular Cloud Complex. I. Observation Data. <b>2017</b> , 230, 5		6
773	Magnetic Fields in the Massive Dense Cores of the DR21 Filament: Weakly Magnetized Cores in a Strongly Magnetized Filament. <i>Astrophysical Journal</i> , <b>2017</b> , 838, 121	4-7	25
772	Moving-mesh Simulations of Star-forming Cores in Magneto-gravo-turbulence. <i>Astrophysical Journal</i> , <b>2017</b> , 838, 40	4-7	57

771	A Curved Magnetic Field in the Ring-like Shell of Bubble N4. <i>Astrophysical Journal</i> , <b>2017</b> , 838, 80	4.7	11
770	On the habitability of universes without stable deuterium. <b>2017</b> , 91, 90-104		26
769	Medium-resolution near-infrared spectroscopy of massive young stellar objects. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 472, 3624-3636	4.3	14
768	Protostellar and cometary detections of organohalogens. <i>Nature Astronomy</i> , <b>2017</b> , 1, 703-708	12.1	60
767	Near-infrared Polarimetric Study of the N159/N160 Star-forming Complex in the Large Magellanic Cloud. <b>2017</b> , 153, 126		
766	Viscoelastic pulsational mode. <i>Astrophysics and Space Science</i> , <b>2017</b> , 362, 1	1.6	13
765	Distortion of Magnetic Fields in a Starless Core: Near-infrared Polarimetry of FeSt 1â&57. <i>Astrophysical Journal</i> , <b>2017</b> , 845, 32	4.7	17
764	Exact relations for energy transfer in self-gravitating isothermal turbulence. <b>2017</b> , 96, 053116		13
763	Time-dependent Models of Magnetospheric Accretion onto Young Stars. <i>Astrophysical Journal</i> , <b>2017</b> , 838, 100	4.7	7
762	Photoevaporating transitional discs and molecular cloud cores. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 466, 1205-1212	4.3	4
761	The JCMT Transient Survey: Data Reduction and Calibration Methods. <i>Astrophysical Journal</i> , <b>2017</b> , 843, 55	4.7	20
760	Starlight in darkness. <b>2017</b> , 22, 213-224		
759	The plasma physics of cosmic rays in star-forming regions. <b>2017</b> , 59, 014002		0
758	Probing the magnetic fields in L1415 and L1389. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 464, 2403-2418	4.3	6
757	The role of angular momentum transport in establishing the accretion rateâ&#226; protostellar mass correlation. <b>2017</b> , 51, 113-121		4
756	Precessing Jet and Large Dust Grains in the V380 Ori NE Star-forming Region. <b>2017</b> , 232, 24		9
755	A Secular Resonant Origin for the Loneliness of Hot Jupiters. <b>2017</b> , 154, 93		30
754	The Circumstellar Disk of the B0 Protostar Powering the HH 80-81 Radio Jet. <i>Astrophysical Journal</i> , <b>2017</b> , 847, 58	4.7	10



753	How Do Stars Gain Their Mass? A JCMT/SCUBA-2 Transient Survey of Protostars in Nearby Star-forming Regions. <i>Astrophysical Journal</i> , <b>2017</b> , 849, 43	4.7	34
752	A Detached Protostellar Disk around a ~0.2M $\odot$ Protostar in a Possible Site of a Multiple Star Formation in a Dynamical Environment in Taurus. <i>Astrophysical Journal</i> , <b>2017</b> , 849, 101	4.7	11
751	Unveiling the Role of the Magnetic Field at the Smallest Scales of Star Formation. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 842, L9	7.9	56
750	Evolutionary pulsational mode dynamics in nonthermal turbulent viscous astrofluids. <i>Astrophysics and Space Science</i> , <b>2017</b> , 362, 1	1.6	4
749	A Turbulent Origin for the Complex Envelope Kinematics in the Young Low-mass Core Per-bolo 58. <i>Astrophysical Journal</i> , <b>2017</b> , 849, 89	4.7	9
748	The mid-infrared polarization of the Herbig Ae star WL 16: an interstellar origin?. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 465, 2983-2990	4.3	7
747	The nature of very low luminosity objects (VeLLOs). <i>Astronomy and Astrophysics</i> , <b>2017</b> , 600, A36	5.1	9
746	Water delivery from cores to disks: Deuteration as a probe of the prestellar inheritance of H <sub>2</sub> O. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 599, A40	5.1	29
745	Formation history of open clusters constrained by detailed asteroseismology of red giant stars observed by Kepler. <b>2017</b> , 160, 05002		
744	Multiplicity and clustering in Taurus star-forming region. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 599, A14	5.1	22
743	Exploration properties of biased evanescent random walkers on a one-dimensional lattice. <b>2017</b> ,		
742	Fire from Ice - Massive Star Birth from Infrared Dark Clouds. <b>2017</b> , 13, 139-152		
741	Outflow-confined H ii Regions. II. The Early Break-out Phase. <i>Astrophysical Journal</i> , <b>2017</b> , 849, 133	4.7	5
740	First Near-infrared Imaging Polarimetry of Young Stellar Objects in the Circinus Molecular Cloud. <b>2018</b> , 234, 42		2
739	A Statistical Study of Massive Cluster-forming Clumps. <i>Astrophysical Journal</i> , <b>2018</b> , 855, 45	4.7	14
738	WISE J080822.18â44357.3 â 45 Myr-old accreting M dwarf hosting a primordial disc. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 476, 3290-3302	4.3	22
737	Penetration of Cosmic Rays into Dense Molecular Clouds: Role of Diffuse Envelopes. <i>Astrophysical Journal</i> , <b>2018</b> , 855, 23	4.7	34
736	A statistical study towards high-mass BGPS clumps with the MALT90 survey. <i>Research in Astronomy and Astrophysics</i> , <b>2018</b> , 18, 004	1.5	4

735	Magnetic field amplification via protostellar disc dynamos. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 477, 127-138	4-3	6
734	3D modelling of HCO+ and its isotopologues in the low-mass proto-star IRAS16293&#22422. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 477, 5312-5326	4-3	5
733	A Three-dimensional Simulation of a Magnetized Accretion Disk: Fast Funnel Accretion onto a Weakly Magnetized Star. <i>Astrophysical Journal</i> , <b>2018</b> , 857, 4	4-7	23
732	Cosmic-Ray Propagation in Turbulent Spiral Magnetic Fields Associated with Young Stellar Objects. <i>Astrophysical Journal</i> , <b>2018</b> , 857, 47	4-7	
731	Gravitational instability of filamentary molecular clouds, including ambipolar diffusion; non-isothermal filament. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 475, 2632-2641	4-3	5
730	Different modes of star formation: gravitational collapse of magnetically subcritical cloud. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 473, 3080-3094	4-3	11
729	Investigating the temporal domain of massive ionized jets &#221. A pilot study. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 475, 2-19	4-3	5
728	Universes without the weak force: Astrophysical processes with stable neutrons. <b>2018</b> , 97,		4
727	Evolution and Photoevaporation of Protoplanetary Disks in Clusters: The Role of Pre-stellar Core Properties. <i>Astrophysical Journal</i> , <b>2018</b> , 853, 22	4-7	4
726	High-Mass Star and Massive Cluster Formation in the Milky Way. <i>Annual Review of Astronomy and Astrophysics</i> , <b>2018</b> , 56, 41-82	31-7	151
725	The Hall-induced stability of gravitating fluids. <b>2018</b> , 61, 84-94		6
724	The response of filamentary and spherical clouds to the turbulence and magnetic field. <b>2018</b> , 61, 69-77		3
723	Modelling dust polarization observations of molecular clouds through MHD simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 474, 5122-5142	4-3	22
722	Partially Ionized Plasmas in Astrophysics. <b>2018</b> , 214, 1		61
721	Non-ideal magnetohydrodynamics on a moving mesh. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 476, 2476-2492	4-3	8
720	ALMA Dust Polarization Observations of Two Young Edge-on Protostellar Disks. <i>Astrophysical Journal</i> , <b>2018</b> , 854, 56	4-7	49
719	Massive Outflows Associated with ATLASGAL Clumps. <b>2018</b> , 235, 3		25
718	Numerical Simulations of Cluster Formation. <b>2018</b> , 39-67		1

717	Mass Assembly of Stellar Systems and Their Evolution with the SMA (MASSES) 3 mm Subcompact Data Release. <b>2018</b> , 237, 22		23
716	Spectral Tomography for the Line-of-sight Structures of the Taurus Molecular Cloud 1. <i>Astrophysical Journal</i> , <b>2018</b> , 864, 82	4-7	14
715	First core properties: from low- to high-mass star formation. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 618, A95	5-1	18
714	Multiple star systems in the Orion nebula. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 620, A116	5-1	10
713	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> , <b>2018</b> , 480, 3511-3540	4-3	24
712	Constraints from zoom-in simulations on the protostellar accretion process. <b>2018</b> , 14, 56-60		
711	Extremely Dense Cores Associated with Chandra Sources in Ophiuchus A: Forming Brown Dwarfs Unveiled?. <i>Astrophysical Journal</i> , <b>2018</b> , 866, 141	4-7	11
710	Simulating the Cosmic Dawn With Enzo. <i>Frontiers in Astronomy and Space Sciences</i> , <b>2018</b> , 5,	3-8	2
709	Formation of Terrestrial Planets. <b>2018</b> , 2365-2423		7
708	High-resolution ALMA Study of the Proto-brown-dwarf Candidate L328-IRS. <i>Astrophysical Journal</i> , <b>2018</b> , 865, 131	4-7	5
707	Distortion of Magnetic Fields in a Starless Core. IV. Magnetic Field Scaling on Density and Mass-to-flux Ratio Distribution in FeSt 1-457. <i>Astrophysical Journal</i> , <b>2018</b> , 865, 121	4-7	9
706	Geometry, Kinematics, and Magnetization of Simulated Prestellar Cores. <i>Astrophysical Journal</i> , <b>2018</b> , 865, 34	4-7	15
705	The Primordial Solar Wind as a Sculptor of Terrestrial Planet Formation. <i>Astrophysical Journal Letters</i> , <b>2018</b> , 869, L17	7-9	3
704	The Physical and Chemical Properties of the Ophiuchi A Dense Core. <i>Astrophysical Journal</i> , <b>2018</b> , 868, 80	4-7	1
703	A dual power-law distribution for the stellar initial mass function. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 478, 2113-2118	4-3	5
702	Locations of sonic transition points in low-mass protostellar clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 481, 2062-2073	4-3	
701	The Maximum Mass Solar Nebula and the early formation of planets. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 477, 3273-3278	4-3	18
700	Gas kinematics and star formation in the filamentary molecular cloud G47.06+0.26. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 609, A43	5-1	7

699	The Early Solar System. <b>2018</b> , 379-425		1
698	A First Look at BISTRO Observations of the $\rho$ Ph-A core. <i>Astrophysical Journal</i> , <b>2018</b> , 859, 4	4.7	34
697	The Arches cluster revisited. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 617, A65	5.1	19
696	Morphology of prestellar cores in pressure-confined filaments. <b>2018</b> , 481, L1-L5		7
695	Near-identical star formation rate densities from H $\alpha$ and FUV at redshift zero. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 480, 119-133	4.3	7
694	Core Emergence in a Massive Infrared Dark Cloud: A Comparison between Mid-IR Extinction and 1.3 mm Emission. <i>Astrophysical Journal Letters</i> , <b>2018</b> , 855, L25	7.9	8
693	Formation of Terrestrial Planets. <b>2018</b> , 1-59		
692	Turbulence in space plasmas and beyond. <b>2018</b> , 51, 293001		12
691	Massive outflows driven by magnetic effects III. Comparison with observations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 475, 391-403	4.3	10
690	Evolution of magnetic fields in collapsing star-forming clouds under different environments. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 475, 3331-3347	4.3	8
689	Robo-AO Discovery and Basic Characterization of Wide Multiple Star Systems in the Pleiades, Praesepe, and NGC 2264 Clusters. <b>2018</b> , 155, 51		7
688	ALMA's Polarized View of 10 Protostars in the Perseus Molecular Cloud. <i>Astrophysical Journal</i> , <b>2018</b> , 855, 92	4.7	48
687	Distribution of Serpens South protostars revealed with ALMA. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 615, A9	5.1	26
686	Short-lived radioactivities in the early solar system: A fossil record of our origins in stars. <b>2018</b> , 133, 1		
685	Magnetic Fields toward Ophiuchus-B Derived from SCUBA-2 Polarization Measurements. <i>Astrophysical Journal</i> , <b>2018</b> , 861, 65	4.7	36
684	The Star Formation Rate in the Gravoturbulent Interstellar Medium. <i>Astrophysical Journal</i> , <b>2018</b> , 863, 118	4.7	47
683	ALMA Observations of Polarized 872 $\mu$ m Dust Emission from the Protostellar Systems VLA 1623 and L1527. <i>Astrophysical Journal</i> , <b>2018</b> , 861, 91	4.7	36
682	Numerical Methods for Simulating Star Formation. <i>Frontiers in Astronomy and Space Sciences</i> , <b>2019</b> , 6,	3.8	8

681	Nonaxisymmetric instabilities and star-disk coupling I. Moderate mass disks. <i>Astrophysics and Space Science</i> , <b>2019</b> , 364, 1	1.6	
680	Weak and Compact Radio Emission in Early High-mass Star-forming Regions. II. The Nature of the Radio Sources. <i>Astrophysical Journal</i> , <b>2019</b> , 880, 99	4.7	16
679	Accretion Bursts from Young Stars. <b>2019</b> , 111-116		0
678	Photoevaporation of Jeans-unstable molecular clumps. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 487, 3377-3391	4.3	17
677	Observational signatures of outbursting protostars - I: From hydrodynamic simulations to observations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 487, 5106-5117	4.3	9
676	On the nature of variations in the measured star formation efficiency of molecular clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 488, 1501-1518	4.3	27
675	Ambipolar diffusion and the molecular abundances in pre-stellar cores. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 488, 2357-2364	4.3	8
674	Stellar Winds As a Mechanism to Tilt the Spin Axes of Sun-like Stars. <i>Astrophysical Journal</i> , <b>2019</b> , 879, 12	4.7	5
673	Ingredients for solar-like systems: protostar IRAS 16293-2422 B versus comet 67P/Churyumov-Terasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 490, 50-79	4.3	41
672	Global dynamics of the interstellar medium in magnetized disc galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 489, 5004-5021	4.3	11
671	Investigating the complex velocity structures within dense molecular cloud cores with GBT-Argus. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 490, 527-539	4.3	9
670	Global hierarchical collapse in molecular clouds. Towards a comprehensive scenario. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 490, 3061-3097	4.3	76
669	The Role of Magnetic Fields in Setting the Star Formation Rate and the Initial Mass Function. <i>Frontiers in Astronomy and Space Sciences</i> , <b>2019</b> , 6,	3.8	68
668	Magnetic field structure in Serpens South. <b>2019</b> , 71,		13
667	First clear detection of the CCS Zeeman splitting toward the pre-stellar core, Taurus Molecular Cloud 1. <b>2019</b> ,		4
666	L1495 revisited: a ppmap view of a star-forming filament. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 489, 962-976	4.3	12
665	Dust Polarization Maps from TIGRESS: E/B Power Asymmetry and TE Correlation. <i>Astrophysical Journal</i> , <b>2019</b> , 880, 106	4.7	17
664	Nobeyama 45 m mapping observations toward the nearby molecular clouds Orion A, Aquila Rift, and M17: Project overview. <b>2019</b> , 71,		16

663	Near-infrared imaging polarimetry toward M 17 SWex. <b>2019</b> , 71,		8
662	The VGT in the Circumstellar Medium around Young Stellar Objects. <i>Astrophysical Journal</i> , <b>2019</b> , 880, 148	4-7	2
661	A survey of molecular cores in M 17 SWex. <b>2019</b> ,		2
660	warpfield2.0: feedback-regulated minimum star formation efficiencies of giant molecular clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 483, 2547-2560	4-3	39
659	Molecular scale height in spiral galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 484, 81-92	4-3	8
658	JCMT POL-2 and ALMA Polarimetric Observations of 6000 $\mu$ m Scales in the Protostar B335: Linking Magnetic Field and Gas Kinematics in Observations and MHD Simulations. <i>Astrophysical Journal</i> , <b>2019</b> , 871, 243	4-7	10
657	On the observed diversity of star formation efficiencies in Giant Molecular Clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 486, 5482-5491	4-3	23
656	CO Outflow Candidates toward the W3/4/5 Complex I: The Sample and Its Spatial Distribution. <b>2019</b> , 242, 19		4
655	Identification of Young Stellar Object candidates in the Gaia DR2 x ALLWISE catalogue with machine learning methods. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 487, 2522-2537	4-3	22
654	Disruption of giant molecular clouds and formation of bound star clusters under the influence of momentum stellar feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 487, 364-380	4-3	35
653	Compact gaseous accretion disk in Keplerian rotation around MWC 147. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 623, A38	5-1	4
652	A dust and gas cavity in the disc around CQ Tau revealed by ALMA. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 486, 4638-4654	4-3	20
651	HDMClouds: a hierarchical decomposition of molecular clouds based on Gaussian mixtures. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 482, 2878-2892	4-3	
650	Widespread Molecular Outflows in the Infrared Dark Cloud G28.37+0.07: Indications of Orthogonal Outflow-filament Alignment. <i>Astrophysical Journal</i> , <b>2019</b> , 874, 104	4-7	21
649	CO Outflow Survey of 68 Very Low Luminosity Objects: A Search for Proto-brown-dwarf Candidates. <b>2019</b> , 240, 18		7
648	Surveys of Clumps, Cores, and Condensations in Cygnus X. I. A New Catalog of $\sim 0.1$ pc Massive Dense Cores. <b>2019</b> , 241, 1		15
647	On the Nature of the Compact Sources in IRAS 16293 $\mu$ m 422 Seen at Centimeter to Submillimeter Wavelengths. <i>Astrophysical Journal</i> , <b>2019</b> , 875, 94	4-7	13
646	Magnetic Stability of Massive Star-forming Clumps in RCW 106. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 875, L16	7-9	1

645	Motional and Spin Dynamics of Individual Neutral Impurities in an Ultracold Gas. <b>2019</b> , 256, 1800710		2
644	A new method to trace three-dimensional magnetic field structure within molecular clouds using dust polarization. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 485, 3499-3513	4.3	11
643	References. <b>2019</b> , 375-410		
642	The Central 1000 au of a Pre-stellar Core Revealed with ALMA. I. 1.3 mm Continuum Observations. <i>Astrophysical Journal</i> , <b>2019</b> , 874, 89	4.7	25
641	GMRT observations of the protostellar jet associated with IRAS 16547-4247. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 483, 1184-1191	4.3	
640	The Role of Magnetic Field in Molecular Cloud Formation and Evolution. <i>Frontiers in Astronomy and Space Sciences</i> , <b>2019</b> , 6,	3.8	77
639	ALMA Observations of the Massive Molecular Outflow G331.512-0.103. II. Physical Properties, Kinematics, and Geometry Modeling. <i>Astrophysical Journal</i> , <b>2019</b> , 872, 200	4.7	8
638	Effect of collision on dust acoustic and dust ion acoustic wave instabilities in self-gravitating Lorentzian dusty plasma. <b>2019</b> ,		1
637	ALMA High Angular Resolution Polarization Study: An Extremely Young Class 0 Source, OMC-3/MMS 6. <i>Astrophysical Journal</i> , <b>2019</b> , 872, 70	4.7	19
636	The Mass Evolution of Protostellar Disks and Envelopes in the Perseus Molecular Cloud. <i>Astrophysical Journal</i> , <b>2019</b> , 873, 54	4.7	23
635	Magnetic Field Structure of Dense Cores Using Spectroscopic Methods. <i>Astrophysical Journal</i> , <b>2019</b> , 872, 207	4.7	10
634	Identifying Variability in Deeply Embedded Protostars with ALMA and CARMA. <i>Astrophysical Journal</i> , <b>2019</b> , 871, 149	4.7	8
633	<sup>13</sup> CO and <sup>13</sup> CO <sub>2</sub> ice mixtures with N <sub>2</sub> in photon energy transfer studies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 486, 1985-1994	4.3	4
632	The spatial evolution of young massive clusters. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 622, A184	5.1	13
631	Ring structure in the MWC 480 disk revealed by ALMA. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 622, A75	5.1	44
630	The degree of fine-tuning in our universe and others. <b>2019</b> , 807, 1-111		13
629	Lack of high-mass pre-stellar cores in the starless MDCs of NGC 6334. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 622, A99	5.1	10
628	Characterizing young protostellar disks with the CALYPSO IRAM-PdBI survey: large Class 0 disks are rare. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 621, A76	5.1	58

627	Nobeyama 45 m mapping observations toward Orion A. I. Molecular outflows. <b>2019</b> ,		4
626	Interferometric Observations of Magnetic Fields in Forming Stars. <i>Frontiers in Astronomy and Space Sciences</i> , <b>2019</b> , 6,	3.8	45
625	Analysis and test of the central-blue-spot infall hallmark. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 626, A84	5.1	5
624	Kinematics around the B335 protostar down to au scales. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 631, A64	5.1	15
623	CLICK: a Continuum and Line fitting Kit for circumstellar disks. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 623, A106	5.1	1
622	Gas and Dust Temperature in Prestellar Cores Revisited: New Limits on Cosmic-Ray Ionization Rate. <i>Astrophysical Journal</i> , <b>2019</b> , 884, 176	4.7	19
621	Disk Wind Feedback from High-mass Protostars. <i>Astrophysical Journal</i> , <b>2019</b> , 882, 123	4.7	7
620	Formation of Massive Protostellar ClustersâObservations of Massive 70 Bn Dark Molecular Clouds. <i>Astrophysical Journal</i> , <b>2019</b> , 886, 130	4.7	24
619	On the role of magnetic fields in star formation. <b>2019</b> , 67, 89-96		6
618	A new photometric study of T Tauri stars in the infrared. <b>2020</b> , 74, 101286		
617	Physical properties and scaling relations of molecular clouds: the impact of star formation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 500, 3552-3568	4.3	2
616	The NC-CC Isotope Dichotomy: Implications for the Chemical and Isotopic Evolution of the Early Solar System. <b>2020</b> , 216, 1		7
615	The importance of magnetic fields for the initial mass function of the first stars. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 497, 336-351	4.3	25
614	Can magnetized turbulence set the mass scale of stars?. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 496, 5072-5088	4.3	15
613	Probing GLIMPSE Extended Green Objects (EGOs) with hydroxyl masers. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 499, 3961-3975	4.3	2
612	The role of thermodynamic efficiency in setting the star formation efficiency of self-gravitating molecular clouds. <b>2020</b> , 341, 943-950		
611	Physicochemical models: source-tailored or generic?. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 498, 276-291	4.3	2
610	Relative alignment between dense molecular cores and ambient magnetic field: the synergy of numerical models and observations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 494, 1971-1987	4.3	4



609	The Solar Wind Prevents Reaccretion of Debris after Mercury's Giant Impact. <b>2020</b> , 1, 7		4
608	A multiple power-law distribution for initial mass functions. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 494, 1579-1586	4.3	3
607	The Physics of Star Cluster Formation and Evolution. <b>2020</b> , 216, 1		24
606	Magnetic Fields in the Early Stages of Massive Star Formation as Revealed by ALMA. <i>Astrophysical Journal</i> , <b>2020</b> , 895, 142	4.7	11
605	Evidence that 1I/2017 U1 (ʻOumuamua) was Composed of Molecular Hydrogen Ice. <i>Astrophysical Journal Letters</i> , <b>2020</b> , 896, L8	7.9	21
604	The Molecular Cloud Lifecycle. <b>2020</b> , 216, 50		46
603	From Diffuse Gas to Dense Molecular Cloud Cores. <b>2020</b> , 216, 1		15
602	Binary deviations from single object astrometry. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 495, 321-337	4.3	21
601	Survey of Molecular Emission Lines in the WB 673 Interstellar Filament. <b>2020</b> , 64, 394-405		1
600	Understanding the Origin of the Magnetic Field Morphology in the Wide-binary Protostellar System BHR 71. <i>Astrophysical Journal</i> , <b>2020</b> , 892, 152	4.7	12
599	Do fragmentation and accretion affect the stellar initial mass function?. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 494, 1647-1657	4.3	3
598	Impact of Low-Energy Cosmic Rays on Star Formation. <b>2020</b> , 216, 1		34
597	Prebiotic Astrochemistry and the Formation of Molecules of Astrobiological Interest in Interstellar Clouds and Protostellar Disks. <b>2020</b> , 120, 4616-4659		47
596	Self-gravity in magnetized accretion discs as a result of a dynamo mechanism with outflows. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 493, 2101-2110	4.3	
595	Disk Structure around the Class I Protostar L1489 IRS Revealed by ALMA: A Warped-disk System. <i>Astrophysical Journal</i> , <b>2020</b> , 893, 51	4.7	9
594	The Evolution of the Star-Forming Interstellar Medium Across Cosmic Time. <i>Annual Review of Astronomy and Astrophysics</i> , <b>2020</b> , 58, 157-203	31.7	78
593	Different modes of star formation III. Gas accretion phase of initially subcritical star-forming clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 494, 827-845	4.3	5
592	The effect of diffuse background on the spatially-resolved Schmidt relation in nearby spiral galaxies. <i>Astronomy and Astrophysics</i> , <b>2020</b> , 634, A24	5.1	7

591	3D turbulent reconnection: Theory, tests, and astrophysical implications. <b>2020</b> , 27, 012305		74
590	Physical and chemical modeling of the starless core L 1512. <i>Astronomy and Astrophysics</i> , <b>2020</b> , 635, A1885.1		6
589	Astrochemistry and compositions of planetary systems. <b>2021</b> , 893, 1-48		37
588	Infall in massive clumps harboring bright infrared sources. <i>Research in Astronomy and Astrophysics</i> , <b>2021</b> , 21, 014	1.5	0
587	Kinematic Analysis of a Protostellar Multiple System: Measuring the Protostar Masses and Assessing Gravitational Instability in the Disks of L1448 IRS3B and L1448 IRS3A. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 907, L10	7.9	5
586	Mass segregation and sequential star formation in NGC 2264 revealed by Herschel. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 645, A94	5.1	7
585	Dust dissipation timescales in the intermediate and outer regions of protoplanetary disks.		
584	Principal Component Analysis for Estimating Parameters of the L1287 Dense Core by Fitting Model Spectral Maps into Observed Ones. <b>2021</b> , 65, 82-94		3
583	Astromodal wave dynamics in multifluidic structure-forming cloud complexes. <b>2021</b> , 95, 1		1
582	Growth and Morphology of Water-, Methanol-, and Ethanol-ice Dust Grains Formed in an Astrophysically Relevant Plasma Experiment. <i>Astrophysical Journal</i> , <b>2021</b> , 908, 130	4.7	
581	Effects of initial density profiles on massive star cluster formation in giant molecular clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 502, 6157-6169	4.3	7
580	Principal component analysis tomography in near-infrared integral field spectroscopy of young stellar objects. Revisiting the high-mass protostar W33A. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 503, 270-291	4.3	0
579	High-sensitivity Millimeter Imaging of Molecular Outflows in Nine Nearby High-mass Star-forming Regions. <b>2021</b> , 253, 15		1
578	Rigorous Theory for Secondary Cosmic-Ray Ionization. <i>Astrophysical Journal</i> , <b>2021</b> , 909, 107	4.7	3
577	The Core Mass Function in the Orion Nebula Cluster Region: What Determines the Final Stellar Masses?. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 910, L6	7.9	3
576	Physical and chemical structure of high-mass star-forming regions. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 648, A66	5.1	12
575	Gas Infalling Motions in the Envelopes of Very Low Luminosity Objects. <i>Astrophysical Journal</i> , <b>2021</b> , 910, 112	4.7	1
574	Assessing the Formation of Solid Hydrogen Objects in Starless Molecular Cloud Cores. <i>Astrophysical Journal</i> , <b>2021</b> , 912, 3	4.7	5

573	Linear Stability Analysis of a Magnetic Rotating Disk with Ohmic Dissipation and Ambipolar Diffusion. <i>Astrophysical Journal</i> , <b>2021</b> , 910, 163	4.7	4
572	Planck Cold Clumps in the $\rho$ Orionis Complex. III. A Chemical Probe of Stellar Feedback on Cores in the $\rho$ Orionis Cloud. <b>2021</b> , 254, 14		1
571	Magnetic Fields and Star Formation around H II Regions: The S235 Complex. <i>Astrophysical Journal</i> , <b>2021</b> , 911, 81	4.7	0
570	Description of turbulent dynamics in the interstellar medium: multifractal-microcanonical analysis. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 649, A33	5.1	0
569	Measuring Young Stars in Space and Time. I. The Photometric Catalog and Extinction Properties of N44. <b>2021</b> , 161, 256		1
568	The JCMT BISTRO Survey: Revealing the Diverse Magnetic Field Morphologies in Taurus Dense Cores with Sensitive Submillimeter Polarimetry. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 912, L27	7.9	3
567	Hot molecular core candidates in the Galactic center 50 km s <sup>-1</sup> molecular cloud. <b>2021</b> , 73, 943-969		1
566	Magnetic Fields in Molecular Clouds—Observation and Interpretation. <b>2021</b> , 9, 41		6
565	Magnetically Regulated Disk Formation in the Inner 100 au Region of the Class 0 Young Stellar Object OMC-3/MMS 6 Resolved by JVLA and ALMA. <i>Astrophysical Journal</i> , <b>2021</b> , 914, 25	4.7	3
564	SPICY: The Spitzer/IRAC Candidate YSO Catalog for the Inner Galactic Midplane. <b>2021</b> , 254, 33		6
563	Alignment of the magnetic field in star-forming regions and why it might be difficult to observe. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 507, 5641-5657	4.3	2
562	An ALMA study of outflow parameters of protoclusters: outflow feedback to maintain the turbulence. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 507, 4316-4334	4.3	1
561	Structure of the H <sub>2</sub> O Maser in NGC 2071 IRS 1 from Observations on the Ground-Space Radio Interferometer RadioAstron. <b>2021</b> , 65, 552-568		
560	Ice lines as the origin for the gap/ring structure in protoplanetary disks: the issue of the assumed temperature profile. <i>Research in Astronomy and Astrophysics</i> , <b>2021</b> , 21, 164	1.5	
559	A Solar System formation analogue in the Ophiuchus star-forming complex. <i>Nature Astronomy</i> ,	12.1	5
558	Orbiting Astronomical Satellite for Investigating Stellar Systems (OASIS): following the water trail from the interstellar medium to oceans. <b>2021</b> ,		2
557	Chemical analysis of prestellar cores in Ophiuchus yields short timescales and rapid collapse. <i>Astronomy and Astrophysics</i> ,	5.1	2
556	Multicolor Variability of Young Stars in the Lagoon Nebula: Driving Causes and Intrinsic Timescales. <b>2021</b> , 162, 101		3

555	Structured velocity field in the inner envelope of B335: ALMA observations of rare CO isotopologues. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 653, A166	5.1	0
554	The JCMT BISTRO Survey: An 850/450 $\mu\text{m}$ Polarization Study of NGC 2071IR in Orion B. <i>Astrophysical Journal</i> , <b>2021</b> , 918, 85	4.7	3
553	Calibrating the Davis-Chandrasekhar-Fermi Method with Numerical Simulations: Uncertainties in Estimating the Magnetic Field Strength from Statistics of Field Orientations. <i>Astrophysical Journal</i> , <b>2021</b> , 919, 79	4.7	4
552	Calcium isotope cosmochemistry. <b>2021</b> , 581, 120396		2
551	Hourglass magnetic field from a survey of current density profiles. <b>2022</b> , 90, 101667		
550	Constraining the magnetic field properties of Bok globule B335 using SOFIA/HAWC+. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 645, A125	5.1	3
549	The Sun, Our Variable Star. <b>2004</b> , 421-457		1
548	Outflow, Infall, and Rotation in High-Mass Star Forming Regions. <b>2005</b> , 5-17		1
547	Star Formation and the Initial Mass Function. <b>2003</b> , 271-298		6
546	Star Formation. <b>2000</b> , 193-249		2
545	OH Zeeman effect studies of magnetic fields in molecular clouds. <b>1988</b> , 105-117		9
544	Theories and implications of hierarchical fragmentation. <b>1988</b> , 201-213		6
543	Opacity problems in protostellar objects. <b>1994</b> , 186-195		7
542	The Stellar IMF as a Property of Turbulence. <b>2005</b> , 357-362		2
541	Turbulent Control of the Star Formation Efficiency. <b>2005</b> , 371-378		2
540	Gamma rays from molecular clouds. <b>2007</b> , 365-371		1
539	The James Webb Space Telescope. <b>2009</b> , 1-29		11
538	Self-Regulated Star Formation in Molecular Clouds. <b>1996</b> , 41-54		15

537	The X-wind Model. <b>2009</b> , 143-152	2
536	Theory of Wind-Driving Protostellar Disks. <b>2009</b> , 67-76	2
535	Perspective from a Younger Generation â The Astro-spectroscopy of Gisbert Winnewisser. <b>1997</b> , 69-82	1
534	Photodissociation Regions. <b>1997</b> , 423-430	1
533	The Close Circumstellar Environment of Young Stellar Objects. <b>1990</b> , 209-233	6
532	Magnetized Disk-Winds and the Origin of Bipolar Outflows. <b>1990</b> , 234-265	196
531	Disk Orientations in PMS Binary Systems Determined Through Polarimetric Imaging with UT1/FORS. <b>2002</b> , 120-126	1
530	Interstellar MHD Turbulence and Star Formation. <b>2015</b> , 401-444	9
529	The âDragonâ Nebula G28.34+0.06. <i>Springer Theses</i> , <b>2015</b> , 43-75	0.1 1
528	Physical Processes in the Interstellar Medium. <b>2016</b> , 85-249	82
527	Molecular Clouds: Formation and Disruption. <b>2004</b> , 67-78	1
526	From Disks to Planets. <b>2013</b> , 1-62	23
525	Numerical Simulation of Solar and Astrophysical MHD Flows. <b>1996</b> , 217-247	5
524	The Magnetic Field in the Inner 70 Parsecs of the Milky Way. <b>1990</b> , 361-368	13
523	The Role of Magnetic Fields in Star Forming Regions. <b>1990</b> , 259-267	3
522	Molecular Cloud Cores and Protostars Offsprings of Gravity and Cosmic Magnetism. <b>1990</b> , 269-279	5
521	Observations and Models of Magnetic Molecular Clouds. <b>1990</b> , 309-313	3
520	Large Scale Interstellar Gasdynamics in Disk Galaxies. <b>1990</b> , 305-322	2

519	The M51 System: Review of the Interstellar Medium. <b>1990</b> , 525-542	4
518	Molecular Clouds in Spiral Galaxies. <b>1990</b> , 67-120	8
517	Fragmentation and Collapse in Magnetic Molecular Clouds: Natural Length Scales and Protostellar Masses. <b>1990</b> , 117-148	5
516	Fragmentation of Isothermal and Nonisothermal Protostellar Clouds. <b>1990</b> , 279-292	4
515	A Review on IMF Theories. <b>1990</b> , 343-355	7
514	Axially Symmetric Radiative Transfer Models of Low Mass Protostars. <b>1990</b> , 247-254	3
513	Accretion Disk Magnetohydrodynamics and the Origin of Jets. <b>1989</b> , 35-57	26
512	Formation and Evolution of the Solar Nebula. <b>1989</b> , 75-87	2
511	Relations Between Star Formation and the Interstellar Medium. <b>1997</b> , 165-171	9
510	Young Binary Star/Disk Interactions. <b>1996</b> , 53-80	21
509	Chaos and Tidal Capture. <b>1996</b> , 81-100	3
508	On Heating, Ionization, and Star Formation in the Galactic Center Region. <b>1989</b> , 171-177	8
507	The Early Stages of Star Formation. <b>1989</b> , 151-163	2
506	Accretion Disks and Jets in Protostellar Systems. <b>1989</b> , 165-178	4
505	Numerical Simulation of Mass Outflows from Star Forming Regions. <b>1989</b> , 207-221	2
504	Collimated Outflows from Young Stars. <b>1988</b> , 147-150	1
503	The Origin of Bipolar Outflows. <b>1988</b> , 135-158	18
502	Winds from Low Mass Protostars. <b>1988</b> , 105-118	3

501	The Fu Orionis Variables: Accretion and Mass Loss. <b>1988</b> , 133-154	1
500	Accretion Disks Around Young Stars. <b>1988</b> , 163-179	7
499	Pre-Main Sequence Binaries. <b>1988</b> , 305-318	25
498	Infrared Energy Distributions and the Nature of Young Stellar Objects. <b>1988</b> , 93-109	9
497	Beginning and End of a Low-Mass Protostar. <b>1988</b> , 123-137	10
496	Collapse of a Rotating Protostellar Cloud. <b>1988</b> , 139-151	3
495	Protoplanetary Disks. <b>1994</b> , 1-18	6
494	The Magnetic Fields of the A and B Stars. <b>1994</b> , 173-183	5
493	Cosmical Magnetism. <b>1994</b> , 181-211	4
492	Magnetic Fields and Star Formation. <b>1994</b> , 73-85	2
491	Molecular Outflows from Young Stellar Objects. <b>1993</b> , 1-14	3
490	Physics of Jet-Formation in Space. <b>1993</b> , 335-346	1
489	Absorption-Line Spectra of Elliptical Galaxies and Their Relation to Elliptical Formation. <b>1992</b> , 255-265	42
488	Molecules in Stellar Winds. <b>1992</b> , 379-386	4
487	Nature and History of the Organic Compounds in Comets: An Astrophysical View. <b>1991</b> , 377-428	35
486	Physical and Chemical Parameters in Dense Cores. <b>1991</b> , 161-175	8
485	Some Processes Influencing the Stellar Initial Mass Function. <b>1991</b> , 261-273	11
484	A Comparative Study of Star Formation Efficiencies in Nearby Molecular Cloud Complexes. <b>1991</b> , 275-288	13

483	Star Formation in three Nearby Cloud Complexes. <b>1991</b> , 293-315	16
482	A Survey of Circumstellar Structure around Young Low Mass Stars. <b>1991</b> , 345-352	1
481	Ammonia Clumps in the Orion and Cepheus Clouds. <b>1991</b> , 436-437	2
480	The Universe of Modern Science and its Philosophical Exploration. <b>1991</b> , 87-202	7
479	Star Forming Giant Molecular Clouds. <b>1991</b> , 3-34	54
478	The Formation of Low Mass Stars: Theory. <b>1991</b> , 365-410	19
477	Binary Star Formation. <b>1991</b> , 437-448	15
476	Episodic Phenomena in Early Stellar Evolution. <b>1991</b> , 623-648	5
475	The X-Ray and Radio Properties of Low-Mass Pre-Main Sequence Stars. <b>1991</b> , 675-708	11
474	Polarization of Light and Models of the Circumstellar Environment of Young Stellar Objects. <b>1991</b> , 709-737	3
473	Cosmic Magnetism and the Basic Physics of the Early Stages of Star Formation. <b>1991</b> , 61-122	38
472	Physical Conditions and Heating/Cooling Processes in High Mass Star Formation Regions. <b>1991</b> , 155-220	26
471	The Physical Conditions of Low Mass Star Forming Regions. <b>1991</b> , 287-328	24
470	The Formation of Low Mass Stars: Observations. <b>1991</b> , 329-364	81
469	Protostellar Winds and Chondritic Meteorites. <b>2000</b> , 153-176	4
468	Multiple Stellar Systems: From Binaries to Clusters. <b>1999</b> , 479-514	7
467	Circumstellar Disks. <b>1999</b> , 579-612	28
466	The Formation of Planets. <b>1999</b> , 643-680	20



465	The Dynamical Structure and Evolution of Giant Molecular Clouds. <b>1999</b> , 29-66	71
464	Physical Conditions in Nearby Molecular Clouds. <b>1999</b> , 67-96	14
463	Models and Observations of the Chemistry Near Young Stellar Objects. <b>1999</b> , 97-140	20
462	The Formation of Low Mass Stars. <b>1999</b> , 143-192	41
461	Low-Mass Star Formation: Theory. <b>1999</b> , 193-226	73
460	Bipolar Molecular Outflows. <b>1999</b> , 227-266	75
459	Low Mass Star Formation. <b>1999</b> , 199-230	3
458	Polarimetry and Magnetic Fields. <b>1999</b> , 115-126	1
457	Energy Budget and the Virial Theorem in Interstellar Clouds. <b>1999</b> , 143-160	1
456	Turbulence in Molecular Clouds. <b>1999</b> , 161-186	4
455	The Quest for X-Rays from Protostars. <b>1998</b> , 17-20	3
454	The Molecular Outflow and CO Bullets in HH111. <b>1997</b> , 141-152	2
453	The Evolution of Flows and Protostars. <b>1997</b> , 483-494	4
452	Millimeter Interferometry of Class 0 Sources: Rotation and Infall towards L1448N. <b>1997</b> , 507-514	22
451	Low-Mass Versus High-Mass Star Formation. <b>1997</b> , 537-549	1
450	The Accretion, Composition and Early Differentiation of Mars. <b>2001</b> , 197-230	4
449	Zooming in on Individual Star Formation: Low- and High-Mass Stars. <b>2020</b> , 216, 1	17
448	The Origin of Chondrules and Chondrites. <b>2004</b> ,	34

447	High Energy Astrophysics. <b>2011</b> ,		293
446	Star formation in three nearby cloud complexes. <b>1991</b> , 147, 293-315		1
445	The Infancy of Solar-Type Stars and its Relevance for the Origin of Life. <b>1997</b> , 161, 267-282		1
444	Turbulent driving scales in molecular clouds. <i>Astronomy and Astrophysics</i> , <b>2009</b> , 504, 883-890	5.1	114
443	Brown dwarfs and very low mass stars in the Praesepe open cluster: a dynamically unevolved mass function?. <i>Astronomy and Astrophysics</i> , <b>2010</b> , 510, A27	5.1	23
442	Massive protostars as gamma-ray sources. <i>Astronomy and Astrophysics</i> , <b>2010</b> , 511, A8	5.1	40
441	Distances to dense cores that contain very low luminosity objects. <i>Astronomy and Astrophysics</i> , <b>2011</b> , 536, A99	5.1	17
440	Modelling Herschel observations of hot molecular gas emission from embedded low-mass protostars. <i>Astronomy and Astrophysics</i> , <b>2012</b> , 537, A55	5.1	83
439	Outflow and accretion detections in the young stellar object IRAS 04579+4703. <i>Astronomy and Astrophysics</i> , <b>2012</b> , 540, L13	5.1	4
438	CN Zeeman observations of the NGC 2264-C protocluster. <i>Astronomy and Astrophysics</i> , <b>2012</b> , 544, A69	5.1	3
437	Characterisation of young stellar clusters. <i>Astronomy and Astrophysics</i> , <b>2012</b> , 547, A107	5.1	16
436	Proper motions of molecular hydrogen outflows in the Ophiuchi molecular cloud. <i>Astronomy and Astrophysics</i> , <b>2013</b> , 553, A41	5.1	14
435	The Earliest Phases of Star Formation (EPoS): a Herschel key project. <i>Astronomy and Astrophysics</i> , <b>2013</b> , 551, A98	5.1	109
434	Spectroscopic observations of blue stars with infrared excesses in NGC 6611. <i>Astronomy and Astrophysics</i> , <b>2013</b> , 556, A108	5.1	10
433	Magnetic field structure around cores with very low luminosity objects. <i>Astronomy and Astrophysics</i> , <b>2015</b> , 573, A34	5.1	18
432	Star formation in Chamaeleon I and III: a molecular line study of the starless core population. <i>Astronomy and Astrophysics</i> , <b>2015</b> , 575, A27	5.1	7
431	VLT/X-shooter spectroscopy of the GRB 120327A afterglow. <i>Astronomy and Astrophysics</i> , <b>2014</b> , 564, A38	5.1	47
430	Relationship between the column density distribution and evolutionary class of molecular clouds as viewed by ATLASGAL. <i>Astronomy and Astrophysics</i> , <b>2015</b> , 581, A74	5.1	17

429	Outflows, infall and evolution of a sample of embedded low-mass protostars. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 600, A99	5.1	35
428	Probing the initial conditions of high-mass star formation. <i>Astronomy and Astrophysics</i> , <b>2020</b> , 638, A105	5.1	2
427	Theoretical modelling of two-component molecular discs in spiral galaxies. <i>Astronomy and Astrophysics</i> , <b>2020</b> , 638, A66	5.1	5
426	Dust coagulation feedback on magnetohydrodynamic resistivities in protostellar collapse. <i>Astronomy and Astrophysics</i> , <b>2020</b> , 643, A17	5.1	11
425	Distance, magnetic field, and kinematics of the filamentary cloud LDN 1157. <i>Astronomy and Astrophysics</i> , <b>2020</b> , 639, A133	5.1	4
424	Ambipolar diffusion in the Bifrost code. <i>Astronomy and Astrophysics</i> , <b>2020</b> , 638, A79	5.1	10
423	Outflows, cores, and magnetic field orientations in W43-MM1 as seen by ALMA. <i>Astronomy and Astrophysics</i> , <b>2020</b> , 640, A111	5.1	4
422	A statistical analysis of dust polarization properties in ALMA observations of Class 0 protostellar cores. <i>Astronomy and Astrophysics</i> , <b>2020</b> , 644, A11	5.1	8
421	Laboratory and astrophysical detection of the hyperfine structure of the $J = 1-0$ rotational transition of $\text{HC}^{17}\text{O}^+$ . <i>Astronomy and Astrophysics</i> , <b>2001</b> , 368, 712-715	5.1	7
420	ROSAT-HRI detection of the Class I protostar YLW16A in the $\rho$ Ophiuchi dark cloud. <i>Astronomy and Astrophysics</i> , <b>2001</b> , 370, L22-L25	5.1	10
419	The dust temperature distribution in prestellar cores. <i>Astronomy and Astrophysics</i> , <b>2001</b> , 376, 650-662	5.1	144
418	The spectral energy distribution of self-gravitating protostellar disks. <i>Astronomy and Astrophysics</i> , <b>2001</b> , 375, 455-468	5.1	24
417	STIS spectroscopy of newborn massive stars in SMC N81. <i>Astronomy and Astrophysics</i> , <b>2002</b> , 381, 951-958	5.1	16
416	The ISO-LWS map of the Serpens cloud core. <i>Astronomy and Astrophysics</i> , <b>2002</b> , 386, 1055-1073	5.1	26
415	The structure of molecular clumps around high-mass young stellar objects. <i>Astronomy and Astrophysics</i> , <b>2002</b> , 389, 603-617	5.1	44
414	Does IRAS 16293-422 have a hot core? Chemical inventory and abundance changes in its protostellar environment. <i>Astronomy and Astrophysics</i> , <b>2002</b> , 390, 1001-1021	5.1	206
413	Gravitational collapse of nonsingular logatropic spheres. <i>Astronomy and Astrophysics</i> , <b>2002</b> , 395, 321-338	5.1	3
412	Far and mid infrared observations of two ultracompact $\text{H II}$ regions and one compact CO clump. <i>Astronomy and Astrophysics</i> , <b>2003</b> , 398, 589-605	5.1	7

411	Anatomy of a high-mass star forming cloud: The G24.78+0.08 (proto)stellar cluster. <i>Astronomy and Astrophysics</i> , <b>2003</b> , 401, 227-242	5.1	22
410	ISOCAM-CVF spectroscopy of the circumstellar environment of young stellar objects. <i>Astronomy and Astrophysics</i> , <b>2003</b> , 401, 613-624	5.1	40
409	VLT/ISAAC H-band spectroscopy of embedded massive YSOs. <i>Astronomy and Astrophysics</i> , <b>2003</b> , 408, 313-322	5.1	5
408	IRAS 23385+6053: A candidate protostellar massive object. <i>Astronomy and Astrophysics</i> , <b>2004</b> , 414, 299-315	5.1	26
407	Monte Carlo radiative transfer in molecular cloud cores. <i>Astronomy and Astrophysics</i> , <b>2004</b> , 415, 617-625	5.1	24
406	The physical and chemical structure of hot molecular cores. <i>Astronomy and Astrophysics</i> , <b>2004</b> , 414, 409-423	5.1	110
405	The circumstellar environments of high-mass protostellar objects. <i>Astronomy and Astrophysics</i> , <b>2005</b> , 434, 257-274	5.1	34
404	L1157: Interaction of the molecular outflow with the Class 0 environment. <i>Astronomy and Astrophysics</i> , <b>2004</b> , 416, 631-640	5.1	25
403	Protostellar mass accretion rates from gravoturbulent fragmentation. <i>Astronomy and Astrophysics</i> , <b>2004</b> , 419, 405-417	5.1	56
402	First polarimetry results of two candidate high-mass protostellar objects. <i>Astronomy and Astrophysics</i> , <b>2004</b> , 421, 195-202	5.1	15
401	Observations of L1521F: A highly evolved starless core. <i>Astronomy and Astrophysics</i> , <b>2004</b> , 420, 957-974	5.1	76
400	The G9.62+0.19 hot molecular core. <i>Astronomy and Astrophysics</i> , <b>2005</b> , 429, 903-921	5.1	17
399	Dynamical and chemical properties of the starless core L1014. <i>Astronomy and Astrophysics</i> , <b>2005</b> , 439, 1023-1032	5.1	39
398	Freeze-out and coagulation in pre-protostellar collapse. <i>Astronomy and Astrophysics</i> , <b>2005</b> , 436, 933-943	5.1	69
397	Disc orientations in pre-main-sequence multiple systems. <i>Astronomy and Astrophysics</i> , <b>2006</b> , 446, 201-219	5.1	47
396	High resolution spectroscopy of brown dwarfs in Taurus. <i>Astronomy and Astrophysics</i> , <b>2004</b> , 422, 631-636	5.1	7
395	A search for shock-excited molecular hydrogen knots in Chamaeleon I very low mass YSOs. <i>Astronomy and Astrophysics</i> , <b>2004</b> , 423, 629-641	5.1	10
394	Influence of UV radiation from a massive YSO on the chemistry of its envelope. <i>Astronomy and Astrophysics</i> , <b>2004</b> , 425, 577-589	5.1	38

393	Probing the formation of intermediate- to high-mass stars in protoclusters. <i>Astronomy and Astrophysics</i> , <b>2006</b> , 445, 979-998	5.1	127
392	First results from a VLBA proper motion survey of H <sub>2</sub> O masers in low-mass YSOs: the Serpens core and RNO '15-FIR. <i>Astronomy and Astrophysics</i> , <b>2006</b> , 446, 985-999	5.1	24
391	Tracing the base of protostellar wind(s) towards the high-mass star forming region AFGL 5142: VLA continuum and VLBA H <sub>2</sub> O maser observations. <i>Astronomy and Astrophysics</i> , <b>2006</b> , 447, 577-587	5.1	25
390	Star formation in the Vela molecular ridge. <i>Astronomy and Astrophysics</i> , <b>2007</b> , 466, 1013-1023	5.1	21
389	An accurate determination of the distance to the Pipe nebula. <i>Astronomy and Astrophysics</i> , <b>2007</b> , 470, 597-603	5.1	42
388	The RMS survey. <i>Astronomy and Astrophysics</i> , <b>2007</b> , 474, 891-901	5.1	66
387	Effects of photophoresis on the evolution of transitional circumstellar disks. <i>Astronomy and Astrophysics</i> , <b>2007</b> , 476, 829-839	5.1	24
386	Modeling the magnetic field in the protostellar source NGC 1333 IRAS 4A. <i>Astronomy and Astrophysics</i> , <b>2008</b> , 490, L39-L42	5.1	37
385	SiO outflow signatures toward massive young stellar objects with linearly distributed methanol masers. <i>Astronomy and Astrophysics</i> , <b>2009</b> , 493, 127-143	5.1	26
384	Linear Gravitational Instability of Filamentary and Sheetlike Molecular Clouds with Magnetic Fields. <i>Astrophysical Journal</i> , <b>1996</b> , 472, 673-702	4.7	29
383	Understanding the Star Formation Process in the Filamentary Dark Cloud GF 9: Near-Infrared Observations. <b>1998</b> , 116, 349-359		12
382	On the Formation of the Homunculus Nebula around $\epsilon$ Carinae. <b>1998</b> , 116, 829-839		45
381	Lunar Occultations of Young Stars in Southern Taurus. <b>1999</b> , 117, 1594-1597		10
380	VLA Detection of Protostars in OMC-2/3. <b>1999</b> , 118, 983-989		65
379	A Near-Infrared Imaging Survey of the Lupus 3 Dark Cloud: A Modest Cluster of Low-Mass, Pre-Main-Sequence Stars. <b>2000</b> , 119, 873-881		32
378	Self-similar Collapse of an Isopedic Isothermal Disk. <i>Astrophysical Journal</i> , <b>1997</b> , 475, 237-250	4.7	72
377	Magnetic Forces in an Isopedic Disk. <i>Astrophysical Journal</i> , <b>1997</b> , 475, 251-259	4.7	68
376	On the Evolutionary Phase and Mass Loss of the Wolf-Rayet-like Stars in R136a. <i>Astrophysical Journal</i> , <b>1997</b> , 477, 792-816	4.7	119

375	The Rotating Gas Toroid Surrounding the K3-50A Ionized Bipolar Outflow. <i>Astrophysical Journal</i> , <b>1997</b> , 477, 738-753	4-7	16
374	Evidence for Infall toward Z Canis Majoris from Radio and Near-Infrared Spectroscopy. <i>Astrophysical Journal</i> , <b>1997</b> , 478, 381-394	4-7	5
373	The Small-Scale Structure of the CO Outflow in Barnard 1. <i>Astrophysical Journal</i> , <b>1997</b> , 478, 631-637	4-7	25
372	HCO <sup>+</sup> Spectropolarimetry and Millimeter Continuum Polarimetry of the DR 21 Star-forming Region. <i>Astrophysical Journal</i> , <b>1997</b> , 479, 325-331	4-7	18
371	Near-Infrared Spectropolarimetry of T Tauri. <i>Astrophysical Journal</i> , <b>1997</b> , 481, 936-942	4-7	5
370	The Survival of Interstellar Clouds against Kelvin-Helmholtz Instabilities. <i>Astrophysical Journal</i> , <b>1997</b> , 483, 262-273	4-7	60
369	A Dust Model for the Frosty Nebula HH 100 IRS. <i>Astrophysical Journal</i> , <b>1997</b> , 485, 203-212	4-7	3
368	A Semianalytic Model for Supercritical Core Collapse: Self-Similar Evolution and the Approach to Protostar Formation. <i>Astrophysical Journal</i> , <b>1997</b> , 485, 240-253	4-7	115
367	Star Formation in Cold, Spherical, Magnetized Molecular Clouds. <i>Astrophysical Journal</i> , <b>1997</b> , 485, 660-672	4-7	48
366	Self-similar Magnetocentrifugal Disk Winds with Cylindrical Asymptotics. <i>Astrophysical Journal</i> , <b>1997</b> , 486, 291-306	4-7	71
365	Models for Dense Molecular Cloud Cores. <i>Astrophysical Journal</i> , <b>1997</b> , 489, 122-142	4-7	79
364	A Search for Infall Motions toward Nearby Young Stellar Objects. <i>Astrophysical Journal</i> , <b>1997</b> , 489, 719-733	4-7	271
363	Near-Infrared Polarimetric Study of Monoceros R2 IRS. <i>Astrophysical Journal</i> , <b>1997</b> , 490, 281-290	4-7	31
362	Far-infrared and Submillimeter Polarization of OMC-1: Evidence for Magnetically Regulated Star Formation. <i>Astrophysical Journal</i> , <b>1998</b> , 493, 811-825	4-7	129
361	Ambipolar Diffusion-Driven Tearing Instability in a Steepening Background Magnetic Field. <i>Astrophysical Journal</i> , <b>1998</b> , 494, 90-95	4-7	8
360	Optical and Near-Infrared Model Images of the Circumstellar Environments of Classical T Tauri Stars. <i>Astrophysical Journal</i> , <b>1998</b> , 497, 404-418	4-7	52
359	Clustering of Pre-Main-Sequence Stars in the Orion, Ophiuchus, Chamaeleon, Vela, and Lupus Star-forming Regions. <i>Astrophysical Journal</i> , <b>1998</b> , 497, 721-735	4-7	35
358	The Ionization Fraction in Dense Cloud Cores. <i>Astrophysical Journal</i> , <b>1998</b> , 499, 234-249	4-7	229

- 357 The Ionization Fraction in Dense Molecular Gas. I. Low-Mass Cores. *Astrophysical Journal*, **1998**, 503, 689-699 128
- 356 Coherent Dense Cores. I. NH<sub>3</sub> Observations. *Astrophysical Journal*, **1998**, 504, 207-222 4-7 116
- 355 Coherence in Dense Cores. II. The Transition to Coherence. *Astrophysical Journal*, **1998**, 504, 223-246 4-7 293
- 354 Collapse and Fragmentation Models of Oblate Molecular Cloud Cores. III. Formation of Small Protostellar Clusters. *Astrophysical Journal*, **1998**, 504, 158-169 4-7 7
- 353 Effect of Ambipolar Diffusion on Ion Abundances in Contracting Protostellar Cores. *Astrophysical Journal*, **1998**, 504, 280-289 4-7 28
- 352 Self-similar Collapse of Nonrotating Magnetic Molecular Cloud Cores. *Astrophysical Journal*, **1998**, 504, 247-256 4-7 30
- 351 Radio Continuum and H<sub>2</sub>O Maser Systems in NGC 2071: H<sub>2</sub>O Masers Tracing a Jet (IRS 1) and a Rotating Protoplanetary Disk of Radius 20 AU (IRS 3). *Astrophysical Journal*, **1998**, 505, 756-765 4-7 72
- 350 Submilliarcsecond Linear Polarization Observations of Water Masers in W51 M. *Astrophysical Journal*, **1998**, 507, 909-918 4-7 28
- 349 Numerical Simulations of Triggered Star Formation. I. Collapse of Dense Molecular Cloud Cores. *Astrophysical Journal*, **1998**, 508, 291-307 4-7 84
- 348 Do Proto-jovian Planets Drive Outflows?. *Astrophysical Journal*, **1998**, 508, 707-713 4-7 64
- 347 Gravitational Collapse of Isothermal Magnetized Clouds: The Universality of Self-similar Collapse. *Astrophysical Journal*, **1999**, 510, 274-290 4-7 28
- 346 Hierarchical Model for the Evolution of Cloud Complexes. *Astrophysical Journal*, **1999**, 510, 795-805 4-7 3
- 345 The Stellar Initial Mass Function from Random Sampling in Hierarchical Clouds. II. Statistical Fluctuations and a Mass Dependence for Starbirth Positions and Times. *Astrophysical Journal*, **1999**, 515, 323-336 4-7 96
- 344 GG Tauri's Circumbinary Disk: Models for Near-Infrared Scattered-Light Images and <sup>13</sup>CO (`\documentclass{aastex} \usepackage{amsmath} \usepackage{amsfonts} \usepackage{amssymb} \usepackage{bm} \usepackage{mathrsfs} \usepackage{pifont} \usepackage{stmaryrd} \usepackage{textcomp} \usepackage{portland,xspace} \usepackage{amsmath,amxtra}`) 4-7 14
- 343 Gravitational and Parametric Instabilities of the Interstellar Medium in Which the Alfvén Wave Travels. *Astrophysical Journal*, **1999**, 517, 226-241 4-7 21
- 342 Spectral Energy Distributions of Passive T Tauri Disks: Inclination. *Astrophysical Journal*, **1999**, 519, 279-284 4-7 114
- 341 Scale-free Equilibria of Isopedic Polytropic Clouds. *Astrophysical Journal*, **1999**, 521, 630-639 4-7 21
- 340 Multipressure Polytropes as Models for the Structure and Stability of Molecular Clouds. I. Theory. *Astrophysical Journal*, **1999**, 522, 313-337 4-7 47

- 339 A Prediction of Brown Dwarfs in Ultracold Molecular Gas. *Astrophysical Journal*, **1999**, 522, 915-920 4-7 34
- 338 Composite Polytrope Models of Molecular Clouds. I. Theory. *Astrophysical Journal*, **2000**, 528, 734-755 4-7 39
- 337 Dynamics of Circumstellar Disks. II. Heating and Cooling. *Astrophysical Journal*, **2000**, 529, 357-390 4-7 75
- 336 The Effects of Thermal Energetics on Three-dimensional Hydrodynamic Instabilities in Massive Protostellar Disks. II. High-Resolution and Adiabatic Evolutions. *Astrophysical Journal*, **2000**, 529, 1034-1053 4-7 79
- 335 V633 Cassiopeiae (LkH 98) and V628 Cassiopeiae (MWC 1080) Revisited!. *Astrophysical Journal*, **2000**, 531, 494-502 4-7 5
- 334 Collapse and Fragmentation Models of Tidally Interacting Molecular Cloud Cores. IV. Initial Slow Rotation and Magnetic Field Support. *Astrophysical Journal*, **2000**, 531, 1037-1052 4-7 7
- 333 Collapse of Rotating Gas Clouds and Formation of Protostellar Disks: Effects of Temperature Change during Collapse. *Astrophysical Journal*, **2000**, 531, 971-987 4-7 18
- 332 Magnetic Fields in Star-forming Molecular Clouds. I. The First Polarimetry of OMC-3 in Orion A. *Astrophysical Journal*, **2000**, 531, 868-872 4-7 64
- 331 Quasi-periodic X-Ray Flares from the Protostar YLW 15. *Astrophysical Journal*, **2000**, 532, 1089-1096 4-7 70
- 330 Rotation and X-Ray Emission from Protostars. *Astrophysical Journal*, **2000**, 532, 1097-1110 4-7 80
- 329 Probing the Magnetic Field with Molecular Ion Spectra. *Astrophysical Journal*, **2000**, 536, 857-864 4-7 51
- 328 On the Two-Phase Structure of Protogalactic Clouds. *Astrophysical Journal*, **2000**, 540, 170-183 4-7 22
- 327 The Initial Mass Function of Low-Mass Stars and Brown Dwarfs in Young Clusters. *Astrophysical Journal*, **2000**, 540, 1016-1040 4-7 226
- 326 Identification of Ionizing Sources and Young Stellar Objects in M17. *Astrophysical Journal*, **1995**, 448, 448, 448 4-7 13
- 325 Subarcsecond VLA Observations of HL Tauri: Imaging the Circumstellar Disk. *Astrophysical Journal*, **1996**, 470, L117-L121 4-7 54
- 324 On Scaling Laws and Alfvénic Magnetic Fluctuations in Molecular Clouds. *Astrophysical Journal*, **1997**, 475, L139-L142 4-7 7
- 323 Molecular Clouds Are Not Fractal: A Characteristic Size Scale in Taurus. *Astrophysical Journal*, **1997**, 488, L145-L148 4-7 43
- 322 A High-Resolution Study of the Slowly Contracting, Starless Core L1544. *Astrophysical Journal*, **1999**, 513, L61-L64 4-7 102



- 321 A Contracting, Turbulent, Starless Core in the Serpens Cluster. *Astrophysical Journal*, **1999**, 518, L37-L40 4.7 22
- 320 Mid-Infrared Imaging of the Young Binary Star Hen 3-600: Evidence for a Dust Disk around the Primary. *Astrophysical Journal*, **1999**, 520, L41-L44 4.7 33
- 319 CO Depletion in the Starless Cloud Core L1544. *Astrophysical Journal*, **1999**, 523, L165-L169 4.7 360
- 318 A Survey of the Principal Modes of Nonaxisymmetric Instability in Self-Gravitating Accretion Disk Models. **1997**, 108, 471-487 14
- 317 A 13 CO Survey of Molecular Clouds in Gemini and Auriga. **1998**, 117, 387-425 89
- 316 Dense Cores Mapped in Ammonia: A Database. **1999**, 125, 161-236 341
- 315 Theoretical Models of Young Open Star Clusters: Effects of a Gaseous Component and Gas Removal. *Astrophysical Journal*, **2000**, 542, 964-973 4.7 74
- 314 Zeeman Effect on the Rotational Levels of CCS and SO in the  $3_{0,0}^{-1}$  Ground State. *Astrophysical Journal*, **2000**, 544, 330-335 4.7 17
- 313 Protostellar Fragmentation Enhanced by Magnetic Fields. *Astrophysical Journal*, **2000**, 545, L61-L64 4.7 34
- 312 Tracing the Mass during Low-Mass Star Formation. I. Submillimeter Continuum Observations. **2000**, 131, 249-271 212
- 311 An Empirical Model for Protostellar Collapse. *Astrophysical Journal*, **2001**, 547, 317-322 4.7 126
- 310 An H13CO<sup>+</sup> Survey for Dense Envelopes around Low-Mass Embedded Sources in Taurus. *Astrophysical Journal*, **2001**, 547, 840-861 4.7 30
- 309 Infall Models of Class 0 Protostars. *Astrophysical Journal*, **2001**, 548, 310-317 4.7 27
- 308 On Age Spreads in Star-forming Regions. **2001**, 121, 1030-1039 159
- 307 The Formation of Stellar Clusters: Time-Varying Protostellar Accretion Rates. *Astrophysical Journal*, **2001**, 550, L77-L80 4.7 41
- 306 Circumnuclear Spiral Arms and Starburst Rings in Magnetized Barred Spiral Galaxies. *Astrophysical Journal*, **2001**, 553, L35-L38 4.7 24
- 305 Modes of Multiple Star Formation. *Astrophysical Journal*, **2001**, 553, 744-753 4.7 126
- 304 [ITAL]K[/ITAL]-Band Polarimetric Imaging of S187 IR and S233. **2001**, 122, 313-321 12

303	Submillimeter Imaging Polarimetry of the NGC 7538 Region. <i>Astrophysical Journal</i> , <b>2001</b> , 555, 855-862	4-7	37
302	Ring Formation in Magnetically Subcritical Clouds and Multiple-Star Formation. <i>Astrophysical Journal</i> , <b>2001</b> , 556, 813-822	4-7	10
301	Chandra Observation of the $\rho$ Ophiuchi Cloud. <i>Astrophysical Journal</i> , <b>2001</b> , 557, 747-760	4-7	166
300	Eclipses by a Circumstellar Dust Feature in the Pre-main-Sequence Star KH 15D. <i>Astrophysical Journal</i> , <b>2001</b> , 554, L201-L204	4-7	63
299	Large Area Mapping at 850 Microns. III. Analysis of the Clump Distribution in the Orion B Molecular Cloud. <i>Astrophysical Journal</i> , <b>2001</b> , 559, 307-317	4-7	156
298	A Survey for Infall Motions toward Starless Cores. II. CS ( $2\text{--}1$ ) and N <sub>2</sub> H <sup>+</sup> ( $1\text{--}0$ ) Mapping Observations. <b>2001</b> , 136, 703-734		178
297	Scattered Light Models of Protostellar Envelopes: Multiple Outflow Cavities and Misaligned Circumstellar Disks. <i>Astrophysical Journal</i> , <b>2001</b> , 561, 299-307	4-7	26
296	Discovery of Linear "Building Blocks" of Water Masers Shaping Linear/Arcuate Microstructures in Cepheus A. <i>Astrophysical Journal</i> , <b>2001</b> , 560, 853-864	4-7	53
295	Measurements of the Magnetic Field Geometry and Strength in Bok Globules. <i>Astrophysical Journal</i> , <b>2001</b> , 561, 871-879	4-7	59
294	Magnetic Fields in Star-forming Molecular Clouds. II. The Depolarization Effect in the OMC-3 Filament of Orion A. <i>Astrophysical Journal</i> , <b>2001</b> , 562, 400-423	4-7	74
293	A Search for Environmental Influence on Stellar Mass. <i>Astrophysical Journal</i> , <b>2001</b> , 562, 433-439	4-7	9
292	Multiwavelength Study of the Powering Sources of the Double H <sub>2</sub> Bipolar Jet in L1634. <i>Astrophysical Journal</i> , <b>2002</b> , 565, 1069-1083	4-7	11
291	High-Mass Protostellar Candidates. II. Density Structure from Dust Continuum and CS Emission. <i>Astrophysical Journal</i> , <b>2002</b> , 566, 945-965	4-7	391
290	Infrared Signatures of Protoplanetary Disk Evolution. <i>Astrophysical Journal</i> , <b>2002</b> , 567, 1183-1191	4-7	76
289	Gravitational Instabilities in the Disks of Massive Protostars as an Explanation for Linear Distributions of Methanol Masers. <i>Astrophysical Journal</i> , <b>2001</b> , 563, L157-L160	4-7	17
288	Gas Flows around Two Young Stellar Clusters in NGC 2264. <i>Astrophysical Journal</i> , <b>2002</b> , 568, 259-266	4-7	29
287	A Coupled Dynamical and Chemical Model of Starless Cores of Magnetized Molecular Clouds. I. Formulation and Initial Results. <i>Astrophysical Journal</i> , <b>2002</b> , 569, 792-802	4-7	39
286	Enhancement of Ambipolar Diffusion Rates through Field Fluctuations. <i>Astrophysical Journal</i> , <b>2002</b> , 570, 210-221	4-7	69

285	Three-dimensional Simulations of the Gravitational Collapse of Logotropic Molecular Cloud Cores. <i>Astrophysical Journal</i> , <b>2002</b> , 570, 231-244	4-7	7
284	Dense Cores in Dark Clouds. XIV. N <sub>2</sub> H+(1 <sup>0</sup> ) Maps of Dense Cloud Cores. <i>Astrophysical Journal</i> , <b>2002</b> , 572, 238-263	4-7	448
283	Chandra and ASCA Observations of the X-Ray Brightest T Tauri Stars in the $\rho$ Ophiuchi Cloud. <i>Astrophysical Journal</i> , <b>2002</b> , 572, 300-309	4-7	27
282	Extended Near-Infrared Emission from Candidate Protostars in the Taurus-Auriga Molecular Cloud. <b>2002</b> , 123, 3370-3379		28
281	The Star Formation History and Spatial Distribution of Stellar Populations in the Ursa Minor Dwarf Spheroidal Galaxy. <b>2002</b> , 123, 3199-3209		102
280	Cooling Flows of Self-gravitating, Rotating, Viscous Systems. <i>Astrophysical Journal</i> , <b>2002</b> , 574, 198-204	4-7	1
279	A Complete Search for Dense Cloud Cores in Taurus. <i>Astrophysical Journal</i> , <b>2002</b> , 575, 950-973	4-7	151
278	A Young Very Low Mass Object Surrounded by Warm Dust. <i>Astrophysical Journal</i> , <b>2002</b> , 571, L155-L159	4-7	47
277	Fragmentation of Magnetically Subcritical Clouds into Multiple Supercritical Cores and the Formation of Small Stellar Groups. <i>Astrophysical Journal</i> , <b>2002</b> , 578, 256-268	4-7	19
276	Self-gravitating Magnetically Supported Protostellar Disks and the Formation of Substellar Companions. <i>Astrophysical Journal</i> , <b>2002</b> , 574, L159-L162	4-7	6
275	Flows, Fragmentation, and Star Formation. I. Low-Mass Stars in Taurus. <i>Astrophysical Journal</i> , <b>2002</b> , 578, 914-924	4-7	169
274	Astrophysics of Young Star Binaries. <i>Astrophysical Journal</i> , <b>2003</b> , 584, 853-874	4-7	124
273	Comments on Inferences of Star Formation Histories and Birth Lines. <i>Astrophysical Journal</i> , <b>2003</b> , 585, 398-405	4-7	126
272	The Formation of Massive Stars from Turbulent Cores. <i>Astrophysical Journal</i> , <b>2003</b> , 585, 850-871	4-7	694
271	Expansion of the R4 H <sub>2</sub> O Maser Arc near Cepheus A HW2. <i>Astrophysical Journal</i> , <b>2003</b> , 586, 306-318	4-7	23
270	A Triple Radio Continuum Source Associated with IRAS 16547-247: A Collimated Stellar Wind Emanating from a Massive Protostar. <i>Astrophysical Journal</i> , <b>2003</b> , 587, 739-747	4-7	62
269	Spiral Arms in Accretion Disk Encounters. <i>Astrophysical Journal</i> , <b>2003</b> , 592, 986-1001	4-7	41
268	Centrally Condensed Collapse of Starless Cores. <i>Astrophysical Journal</i> , <b>2005</b> , 623, 280-290	4-7	46

267	Large Area Mapping at 850 $\mu$ m. IV. Analysis of the Clump Distribution in the Orion B South Molecular Cloud. <i>Astrophysical Journal</i> , <b>2006</b> , 639, 259-274	4-7	62
266	Fragmentation and Evolution of Molecular Clouds. I. Algorithm and First Results. <b>2006</b> , 163, 122-144		48
265	High-Resolution Observations of Water Masers in Bok Globules. <b>2006</b> , 132, 2584-2595		7
264	The Global Evolution of Giant Molecular Clouds. I. Model Formulation and Quasi-Equilibrium Behavior. <i>Astrophysical Journal</i> , <b>2006</b> , 653, 361-382	4-7	154
263	Magnetized Nonlinear Thin-Shell Instability: Numerical Studies in Two Dimensions. <i>Astrophysical Journal</i> , <b>2007</b> , 665, 445-456	4-7	27
262	A Case Study of Low-Mass Star Formation. <b>2008</b> , 174, 202-222		38
261	The Mass Distribution and Lifetime of Prestellar Cores in Perseus, Serpens, and Ophiuchus. <i>Astrophysical Journal</i> , <b>2008</b> , 684, 1240-1259	4-7	234
260	EVOLUTION OF MASSIVE PROTOSTARS WITH HIGH ACCRETION RATES. <i>Astrophysical Journal</i> , <b>2009</b> , 691, 823-846	4-7	268
259	MOLECULAR TRACERS OF TURBULENT SHOCKS IN GIANT MOLECULAR CLOUDS. <i>Astrophysical Journal</i> , <b>2012</b> , 748, 25	4-7	26
258	MAGNETIC FIELDS AND MASSIVE STAR FORMATION. <i>Astrophysical Journal</i> , <b>2014</b> , 792, 116	4-7	109
257	Gravitational instability of filamentary molecular clouds, including ambipolar diffusion. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 465, 1645-1653	4-3	9
256	Cool Interstellar Physics and Chemistry. <b>2011</b> , 341-380		12
255	ANGULAR MOMENTUM LOSS IN THE ENVELOPE-DISK TRANSITION REGION OF THE HH 111 PROTOSTELLAR SYSTEM: EVIDENCE FOR MAGNETIC BRAKING?. <i>Astrophysical Journal</i> , <b>2016</b> , 826, 213	4-7	25
254	Stellar Oblateness versus Distant Giants in Exciting Kepler Planet Mutual Inclinations. <b>2020</b> , 160, 105		9
253	Kinematics of a Young Low-mass Star-forming Core: Understanding the Evolutionary State of the First-core Candidate L1451-mm. <i>Astrophysical Journal</i> , <b>2017</b> , 838, 60	4-7	13
252	First Sub-parsec-scale Mapping of Magnetic Fields in the Vicinity of a Very-low-luminosity Object, L1521F-IRS. <i>Astrophysical Journal</i> , <b>2019</b> , 883, 9	4-7	4
251	Droplets. II. Internal Velocity Structures and Potential Rotational Motions in Pressure-dominated Coherent Structures. <i>Astrophysical Journal</i> , <b>2019</b> , 886, 119	4-7	7
250	Tracing the Formation of Molecular Clouds in a Low-metallicity Galaxy: An H I Narrow Self-absorption Survey of the Large Magellanic Cloud. <i>Astrophysical Journal</i> , <b>2019</b> , 887, 242	4-7	2

249	Resolving Linear Polarization due to Emission and Extinction of Aligned Dust Grains on NGC 1333 IRAS4A with JVLA and ALMA. <i>Astrophysical Journal</i> , <b>2020</b> , 889, 172	4-7	12
248	Distortion of Magnetic Fields in a Starless Core. VI. Application of Flux Freezing Model and Core Formation of FeSt 1â57. <i>Astrophysical Journal</i> , <b>2020</b> , 888, 120	4-7	7
247	Young Stars near Cometary Globule CG 30 in the Tumultuous Gum Nebula. <i>Astrophysical Journal</i> , <b>2020</b> , 889, 50	4-7	3
246	CS Depletion in Prestellar Cores. <i>Astrophysical Journal</i> , <b>2020</b> , 891, 169	4-7	4
245	Orbital Parameter Determination for Wide Stellar Binary Systems in the Age of Gaia. <i>Astrophysical Journal</i> , <b>2020</b> , 894, 115	4-7	15
244	Radiative Transfer Modeling of EC 53: An Episodically Accreting Class I Young Stellar Object. <i>Astrophysical Journal</i> , <b>2020</b> , 895, 27	4-7	9
243	FRagmentation and Evolution of Dense Cores Judged by ALMA (FREJA). I. Overview: Inner ~1000 au Structures of Prestellar/Protostellar Cores in Taurus. <i>Astrophysical Journal</i> , <b>2020</b> , 899, 10	4-7	10
242	The Drag Instability in a 1D Isothermal C-shock. <i>Astrophysical Journal</i> , <b>2020</b> , 898, 67	4-7	1
241	Tracing the Coevolution Path of Supermassive Black Holes and Spheroids with AKARI-selected Ultraluminous IR Galaxies at Intermediate Redshifts. <i>Astrophysical Journal</i> , <b>2020</b> , 900, 51	4-7	5
240	The Erratic Path to Coalescence of LISA Massive Black Hole Binaries in Subparsec-resolution Simulations of Smooth Circumnuclear Gas Disks. <i>Astrophysical Journal</i> , <b>2020</b> , 899, 126	4-7	8
239	The Origin of Massive Stars: The Inertial-inflow Model. <i>Astrophysical Journal</i> , <b>2020</b> , 900, 82	4-7	31
238	The ALMA Survey of 70 ð Dark High-mass Clumps in Early Stages (ASHES). II. Molecular Outflows in the Extreme Early Stages of Protocluster Formation. <i>Astrophysical Journal</i> , <b>2020</b> , 903, 119	4-7	13
237	Stellar Spins in the Open Cluster NGC 2516. <i>Astrophysical Journal</i> , <b>2020</b> , 903, 99	4-7	7
236	Constraining the Chemical Signatures and the Outburst Mechanism of the Class 0 Protostar HOPS 383. <i>Astrophysical Journal</i> , <b>2020</b> , 904, 78	4-7	2
235	Formation of the HubâFilament System G33.92+0.11: Local Interplay between Gravity, Velocity, and Magnetic Field. <i>Astrophysical Journal</i> , <b>2020</b> , 905, 158	4-7	10
234	Searching for Molecular Outflows with Support Vector Machines: The Dark Cloud Complex in Cygnus. <b>2020</b> , 248, 15		7
233	A Markov Model for Non-lognormal Density Distributions in Compressive Isothermal Turbulence. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 884, L35	7-9	5
232	A Low-velocity Bipolar Outflow from a Deeply Embedded Object in Taurus Revealed by the Atacama Compact Array. <i>Astrophysical Journal Letters</i> , <b>2020</b> , 899, L10	7-9	4

231	Exclusion of Cosmic Rays from Molecular Clouds by Self-generated Electric Fields. <i>Astrophysical Journal Letters</i> , <b>2020</b> , 902, L25	7.9	2
230	THE LONGEVITY OF CIRCUMSTELLAR DISKS: THE $\epsilon$ CHAMAELEONTIS CLUSTER. <b>2005</b> , 38, 241-244		3
229	ASSOCIATION OF INFRARED DARK CLOUD CORES WITH YSOS: STARLESS OR STARRED IRDC CORES. <b>2010</b> , 43, 9-23		16
228	HIGH RESOLUTION OPTICAL SPECTRA OF HBC 722 AFTER OUTBURST. <b>2011</b> , 44, 67-72		5
227	RADIO IMAGING OF THE NGC 1333 IRAS 4B REGION. <b>2011</b> , 44, 201-208		2
226	Rotation and Lithium Confirmation of a 500 pc Halo for the Open Cluster NGC 2516*. <b>2021</b> , 162, 197		6
225	On the Spin Dynamics of Elongated Minor Bodies with Applications to a Possible Solar System Analogue Composition for "Dumumua. <i>Astrophysical Journal</i> , <b>2021</b> , 920, 28	4.7	4
224	The structure, formation and evolution of low-mass stars and brown dwarfs. <b>2000</b> , 83-126		
223	Triggering Protostellar Collapse, Injection, and Disk Formation. <b>2000</b> , 13-22		1
222	Protostellar Disk Formation And Early Evolution. <b>2000</b> , 23-38		1
221	The Environments of Young Stars. <b>2000</b> , 263-284		
220	From Dust to Terrestrial Planets – Introduction. <b>2000</b> , 1-10		1
219	Can Bio-Molecules be Formed in Collapsing Interstellar Clouds?. <b>2001</b> , 139-144		
218	Setting the Scene: A Star Formation Perspective. <b>2001</b> , 12-34		
217	The formation of stars and protoplanetary disks. <b>2001</b> , 857-873		
216	The Mineralogy and Magnetism of Star and Planet Formation as Revealed by Mid-Infrared Spectropolarimetry. <b>2002</b> , 85-90		
215	Origin of Stars and Planets: The View from 2021. <b>2002</b> , 491-511		
214	VLT/ISAAC Spectroscopy of Young Massive Stars Embedded in Ultra-Compact H II Regions. <b>2002</b> , 289-296		

213 Physical Properties of Prestellar Cores. **2002**, 27-34

212 Sun and Protosolar Nebula. **2003**, 319-376

211 Trapped Protostellar Winds and the Breakout Time. **2003**, 175-178

210 Submillimeter Studies of Protostellar Cores. **2003**, 319-330

209 Energy transfer in biphasic magnetised interstellar medium. *Astronomy and Astrophysics*, **2003**, 405, 787-793

208 Submillimeter Studies of Prestellar Cores and Protostars: Probing the Initial Conditions for Protostellar Collapse. **2004**, 239-251

207 The Impact of Space Experiments on Our Knowledge of the Physics of the Universe. **2004**, 1-443

2

206 Molecules in Interstellar Space. **2004**, 360-427

205 What Drives Star Formation?. **2004**, 175-187

204 An Overview of Stellar Evolution. **2004**, 43-144

203 Turbulent Fragmentation and Star Formation. **2004**, 143-155

1

202 Fragmentation and Structure Formation. **2004**, 137-142

201 The Magnetic Environments of Young Stellar Objects. **2004**, 369-375

200 Formation of Simplest Bio-Molecules During Collapse of an Interstellar Cloud. **2004**, 195-199

199 Submm Observations of Prestellar Condensations: Probing the Initial Conditions for the IMF. **2005**, 309-318

198 VLBI Water Maser Proper Motion Measurements in Star-Forming Regions. **2005**, 53-63

197 Magnetic Fields in Star-Forming Regions: Theoretical Aspects. **2005**, 43-51

196 A Class of IMF Theories. **2005**, 411-416

195 Turbulence Andmagnetic Fields in Clouds. **2005**, 459-466

194 Extrasolar Planetary Systems. **2010**, 337-390

193 The Early Solar System. **2011**, 309-344

192 Probing the Low-Mass End of the IMF in Star-Forming Regions: AWIRCam/CFHT Survey. **2012**, 125-130

191 Proto-solar Systems and the Sun. **2012**, 323-340

190 Time Variability of HII Regions in Numerical Simulations of MSFR. *Springer Theses*, **2012**, 81-102 0.1

189 Time Variability of HII Regions: A Signature of Accretion?. *Springer Theses*, **2012**, 73-79 0.1

188 Protoplanets and Exoplanets. **2012**, 341-370

187 Evolution of Young Stellar Objects. **2012**, 139-166

186 Star-Forming Regions. **2012**, 293-322

185 Multiplicity in Star Formation. **2012**, 167-182

184 A MSFR at the Onset of Ionization: W33A. *Springer Theses*, **2012**, 15-38 0.1

183 Historical Background. **2012**, 7-31

182 Massive Star Formation. **2012**, 217-251

181 Concepts of Stellar Collapse. **2012**, 121-138

180 Conclusions. *Springer Theses*, **2012**, 103-103 0.1

179 A MSFR with Young UC and HC HII Regions: G20.08N. *Springer Theses*, **2012**, 39-72 0.1

178 Molecular Clouds and Cores. **2012**, 85-120



- 177 Accretion Phenomena and Magnetic Activity in YSOs. **2012**, 183-216
- 176 High-energy Signatures in YSOs. **2012**, 253-291
- 175 Introduction to the Scientific Problem. *Springer Theses*, **2012**, 1-13 0.1
- 174 Studies of Interstellar Matter. **2012**, 33-84
- 173 About the Book. **2012**, 1-6
- 172 Physical Processes of Interstellar Turbulence. **2013**, 73-92
- 171 Molecules in Interstellar Space. **2013**, 499-555
- 170 References. **2013**, 561-606
- 169 Stellar Mass Accretion Rates from Fragmentation of a Rotating Core. **2014**, 271-288
- 168 Encyclopedia of Astrobiology. **2014**, 1-5
- 167 Encyclopedia of Astrobiology. **2014**, 1-6
- 166 Encyclopedia of Astrobiology. **2014**, 1-3
- 165 Encyclopedia of Astrobiology. **2014**, 1-4
- 164 Do open clusters have distinguishable chemical signatures?. **2014**, 67-68, 133-136
- 163 Near-Infrared Array Images of Low-Luminosity IRAS Sources in Dark Clouds. **1988**, 111-121 1
- 162 Evolution of the Outer Atmospheres of Pre-Main-Sequence Stars. **1988**, 119-132
- 161 Angular Momentum Transport in Protostellar Disks. **1989**, 89-104
- 160 Fragmentation theories and the IMF. **1990**, 357-366 1

- 159 Eccentric Spiral Modes in Disks Associated with Young Stellar Objects. **1990**, 85-91
- 158 Supernova Remnants as Probes of the Interstellar Medium. **1990**, 1-16 1
- 157 On The Origin Of Dwarf Stars. **1990**, 347-361
- 156 Ekman Pumping in a Rotating Protostar. **1991**, 33-40
- 155 Some processes influencing the stellar initial mass function. **1991**, 147, 261-273
- 154 Symposium Summary: Fragmentation and Star Formation in Molecular Clouds. **1991**, 147, 379-386
- 153 A comparative study of star formation efficiencies in nearby molecular cloud complexes. **1991**, 147, 275-288
- 152 Symposium Summary: Fragmentation and Star Formation in Molecular Clouds. **1991**, 379-386
- 151 Angular Momentum Effects in Star Formation. **1991**, 1-20
- 150 The Physics of Neutral Winds from Low Mass Young Stellar Objects. **1991**, 595-622 4
- 149 Theoretical and Observational Aspects of Young Stars of Intermediate Mass. **1991**, 331-344 1
- 148 A survey of circumstellar structure around young low mass stars. **1991**, 147, 345-352
- 147 The Interstellar Medium and Star Formation. **1992**, 19-23
- 146 Accretion Disc Phenomena. **1992**, 97-104 1
- 145 The Evolution of Disk Accreting Proto-Stars and Their Role in Driving Bipolar Outflows. **1993**, 257-262
- 144 The Onset of Molecular Outflow in the Early Evolution of Proto-Stars. **1993**, 15-24
- 143 The First Stars. **1993**, 499-532
- 142 Millimeter Continuum Measurements of Circumstellar Dust Around Very Young Low-Mass Stars. **1994**, 191-195

- 141 The Search for Protostars Using Millimeter/Submillimeter Dust Emission as a Tracer. **1994**, 197-214 1
- 140 On the Road to Understanding Star Formation. **1994**, 235-247
- 139 Radial Migration of Planetesimals. **1994**, 49-56
- 138 A Systematic Study of Dense Cloud Cores and Star Formation. **1994**, 493-499
- 137 Identification of A Collapsing Protostar. **1994**, 139-145
- 136 The Detection and Study of Pre-Planetary Disks. **1994**, 181-189
- 135 SHARP Images of Young Stellar Objects. **1995**, 411-414
- 134 Protostar Formation Under Two Current Carrying Gas Filaments Collision. **1995**, 199-215
- 133 Formation Rate of Triple Stars Relative to Double Stars. **1995**, 491-492
- 132 On the Pop. II IMF: Many More Brown Dwarfs. **1995**, 257-260 2
- 131 Circumstellar Envelopes and Disks of Pre-Main Sequence Stars. **1995**, 3-12
- 130 Star Formation and the Initial Mass Function. **1995**, 171-182
- 129 Spectroscopic Evidence for Protostellar Infall. **1996**, 299-318
- 128 How Important is Neutral Carbon to an Understanding of the Dense Interstellar Medium?. **1996**, 469-478
- 127 Infrared Classification of Young Stellar Objects. **1996**, 347-350
- 126 The Unsolved Problem of Stellar Origins. **1996**, 533-549
- 125 New Millimetre Observations of Pre-stellar Cores. **1996**, 79-82
- 124 CO and the Multiphase ISM. **1997**, 25-32

- 123 Protostellar and Protoplanetary Disks. **1997**, 151-158
- 122 Adaptive Optics Imaging of the Pre-Main Sequence Star YY Orionis. **1997**, 365-369
- 121 The Origin of Low Mass Stars. **1997**, 135-155
- 120 Star Formation: Theory and Modelling. **1997**, 575-585
- 119 Statistics of Young Visual Binary Stars: Implications for (Binary) Star Formation. **1997**, 115-125 1
- 118 Cyclical Variability in MHD Disk Winds. **1998**, 310-315
- 117 Scientific Background. *Springer Theses*, **2015**, 1-18 0.1
- 116 Encyclopedia of Astrobiology. **2015**, 1424-1427
- 115 Encyclopedia of Astrobiology. **2015**, 2308-2313
- 114 Encyclopedia of Astrobiology. **2015**, 2348-2351
- 113 Star Formation, Observations. **2015**, 2344-2348
- 112 The Numerical Tools for Star Cluster Formation Simulations. **2015**, 17-30
- 111 INFLOWS IN MASSIVE STAR FORMATION REGIONS. **2015**, 30, 93-97
- 110 Introduction. *Springer Theses*, **2016**, 1-14 0.1
- 109 A numerical model for the formation and long-term evolution of protostars and protostellar disks. **2016**,
- 108 Introduction. *Springer Theses*, **2017**, 1-36 0.1
- 107 Computational Modeling of Turbulent Structuring of Molecular Clouds Based on High Resolution Calculating Schemes. **2017**, 194-206
- 106 Recent Advances on Solar Global Magnetism and Variability. **2017**, 107-142

105 Star Formation and Death. **2017**, 57-99

104 Constraints from Comets on the Formation and Volatile Acquisition of the Planets and Satellites. **2017**, 297-342

103 1985â2015: The Formation of Stars. **2018**, 381-406

102 Using the Modified Lognormal Power-law Distribution to Model the Mass Function of NGC 1711. *Astrophysical Journal*, **2020**, 895, 66 4.7 0

101 Birth of convective low-mass to high-mass second Larson cores. *Astronomy and Astrophysics*, **2020**, 638, A86 5.1 3

100 In search of infall motion in molecular clumps II: HCO<sup>+</sup> (1â0) and HCN (1â0) observations toward a sub-sample of infall candidates. *Research in Astronomy and Astrophysics*, **2020**, 20, 115 1.5 1

99 Influence of velocity dispersions on star-formation activities in galaxies. *Astronomy and Astrophysics*, **2020**, 641, A24 5.1 1

98 The Importance of Hall Effect in the Self-similar Collapse of a Filamentary Cloud. *Astrophysical Journal*, **2020**, 905, 64 4.7

97 Planck Galactic Cold Clumps at High Galactic Latitudeâ Study with CO Lines. *Astrophysical Journal*, **2021**, 920, 103 4.7 1

96 5.3 Protostars, pre-main sequence objects. 196-203

95 6.1.0 General remarks. 263-268

94 Large Scale Heating and Cooling. **1992**, 178-190

93 Structure and Dynamics of Molecular Clouds. **1992**, 349-370

92 Circumstellar Clouds and Masers. **1992**, 371-378

91 Molecules in Galaxies at All Redshifts. **2004**, 105-212

90 Magnetic and virial equilibrium in molecular clouds. **1988**, 128-129

89 Morphology and kinematics. **1988**, 214-228

88 Sonic linewidths in warm clouds?. **1988**, 235-237

87	Stellar rotation prior to the main sequence. <b>1990</b> , 47-68			2
86	Will a magnetic field inhibit turbulent transport?. <b>1990</b> , 151-161			
85	The search for protostars. <b>1991</b> , 48-54			
84	Activity in galactic nuclei. <b>1993</b> , 25-96			
83	Molecular clouds and star formation. <b>1994</b> , 1-48			
82	Near infrared techniques for studies of star formation. <b>1994</b> , 157-213			1
81	THE ORIGIN OF THE INITIAL MASS FUNCTION IS IN THE CLOUD STRUCTURE. <b>2007</b> , 417-422			
80	Studies of dense cores with ALMA. <b>2008</b> , 123-128			
79	High-mass star forming regions: An ALMA view. <b>2008</b> , 23-28			
78	Early stages of star formation. <b>2008</b> , 29-34			
77	High Angular Resolution Observations of Disks. <b>2008</b> , 273-286			
76	A Search for In Situ Field OB Star Formation in the Small Magellanic Cloud. <i>Astrophysical Journal</i> , <b>2020</b> , 903, 42	4-7		2
75	Constraints on the Occurrence of âDumumua-Like Objects. <i>Astrophysical Journal</i> , <b>2021</b> , 922, 39	4-7		4
74	Magnetic field structure of OMC-3 in the far infrared revealed by SOFIA/HAWC+. <i>Astronomy and Astrophysics</i> ,	5-1		0
73	In Search of Infall Motion in Molecular Clumps. III. HCO+ (1-0) and H13CO+ (1-0) Mapping Observations toward Confirmed Infall Sources. <i>Astrophysical Journal</i> , <b>2021</b> , 922, 144	4-7		0
72	Isotopic fractionation study towards massive star-forming regions across the Galaxy.			0
71	An early transition to magnetic supercriticality in star formation.. <i>Nature</i> , <b>2022</b> , 601, 49-52	50-4		2
70	Magnetic Fields in Star Formation: A Complete Compilation of All the DCF Estimations. <i>Astrophysical Journal</i> , <b>2022</b> , 925, 30	4-7		2

69	Interstellar Planetesimals: Potential Seeds for Planet Formation?. <i>Astrophysical Journal</i> , <b>2022</b> , 924, 96	4.7	0
68	Collision of Two Stellar Associations in the Nearby Gum Nebula. <i>Monthly Notices of the Royal Astronomical Society</i> ,	4.3	
67	Evolution of the Angular Momentum during Gravitational Fragmentation of Molecular Clouds*. <i>Astrophysical Journal</i> , <b>2022</b> , 925, 78	4.7	1
66	The sharp ALMA view of infall and outflow in the massive protocluster G31.41+0.31. <i>Astronomy and Astrophysics</i> ,	5.1	1
65	Functional Data Analysis for Extracting the Intrinsic Dimensionality of Spectra: Application to Chemical Homogeneity in the Open Cluster M67. <i>Astrophysical Journal</i> , <b>2022</b> , 926, 51	4.7	0
64	ATOMS: ALMA Three-millimeter Observations of Massive Star-forming regions. A pilot study towards IRDC G034.43+00.24 on multi-scale structures and gas kinematics. <i>Monthly Notices of the Royal Astronomical Society</i> ,	4.3	2
63	The protoplanetary disk population in the rho-Ophiuchi region L1688 and the time evolution of Class II YSOs. <i>Astronomy and Astrophysics</i> ,	5.1	0
62	Ambipolar diffusion: Self-similar solutions and MHD code testing. Cylindrical symmetry. <i>Astronomy and Astrophysics</i> ,	5.1	
61	Variations in the Sigma_SFR - Sigma_mol - Sigma_* plane across galactic environments in PHANGS galaxies. <i>Astronomy and Astrophysics</i> ,	5.1	1
60	The Magnetic Field versus Density Relation in Star-forming Molecular Clouds. <i>Astrophysical Journal Letters</i> , <b>2022</b> , 928, L2	7.9	
59	Isotopic Constraints on the Formation of the Main Belt. <b>2022</b> , 212-226		
58	Gas phase Elemental abundances in Molecular clouds (GEMS). VI. A sulfur journey across star-forming regions: study of thioformaldehyde emission. <i>Astronomy and Astrophysics</i> ,	5.1	0
57	Chemically Fresh Gas Inflows Detected in a Nearby High-mass Star-forming Region. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 923, L20	7.9	1
56	Probing the low-mass end of the companion mass function for O-type stars. <i>Astronomy and Astrophysics</i> ,	5.1	1
55	ALMA-IMF. I. Investigating the origin of stellar masses: Introduction to the Large Program and first results. <i>Astronomy and Astrophysics</i> ,	5.1	1
54	VLA and NOEMA Views of Bok Globule CB 17: The Starless Nature of a Proposed First Hydrostatic Core Candidate. <i>Astrophysical Journal</i> , <b>2021</b> , 923, 231	4.7	2
53	ALMA-IMF. III. Investigating the origin of stellar masses: Top-heavy core mass function in the W43-MM2&MM3 mini-starburst. <i>Astronomy and Astrophysics</i> ,	5.1	2
52	Triggering star formation: Experimental compression of a foam ball induced by Taylor-Bedov blast waves. <i>Matter and Radiation at Extremes</i> , <b>2022</b> , 7, 036902	4.7	

51	Magnetic fields in high-mass star-forming regions. 199-209		
50	Star Formation, Observations. <b>2022</b> , 1-7		
49	Introduction. <i>Springer Theses</i> , <b>2022</b> , 1-23	0.1	
48	The Simons Observatory: Galactic Science Goals and Forecasts. <i>Astrophysical Journal</i> , <b>2022</b> , 929, 166	4.7	1
47	Theory of Fluid Instabilities in Partially Ionized Plasmas: An Overview. <i>Frontiers in Astronomy and Space Sciences</i> , <b>2022</b> , 9,	3.8	0
46	A massive Keplerian protostellar disk with flyby-induced spirals in the Central Molecular Zone. <i>Nature Astronomy</i> ,	12.1	0
45	ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP): Evidence for a Molecular Jet Launched at an Unprecedented Early Phase of Protostellar Evolution. <i>Astrophysical Journal</i> , <b>2022</b> , 931, 130	4.7	
44	ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP): How Do Dense Core Properties Affect the Multiplicity of Protostars?. <i>Astrophysical Journal</i> , <b>2022</b> , 931, 158	4.7	
43	Synthetic observations using POLARIS: an application to simulations of massive prestellar cores. <i>Astrophysics and Space Science</i> , <b>2022</b> , 367,	1.6	
42	A Catalog of Molecular Clumps and Cores with Infall Signatures. <i>Research in Astronomy and Astrophysics</i> ,	1.5	0
41	Why most molecular clouds are gravitationally dominated. <i>Monthly Notices of the Royal Astronomical Society</i> ,	4.3	
40	Effects of the environment and feedback physics on the initial mass function of stars in the STARFORGE simulations. <b>2022</b> , 515, 4929-4952		3
39	Analytic Approach to the Late Stages of Giant Planet Formation. <b>2022</b> , 934, 111		0
38	Neutral Stellar Winds toward the High-mass Star-forming Region G176.51+00.20. <b>2022</b> , 935, 153		
37	Ice Features of Low-luminosity Protostars in Near-infrared Spectra of AKARI/IRC. <b>2022</b> , 935, 137		0
36	Detailed Evolutionary Models for Twins in Sight of New Spectral Data: AN Cam, RS Ari, and V455 Aur.		
35	A meta-analysis of molecular spectroscopy databases, and prospects of molecule detection with some future facilities.		0
34	Magnetic field properties in star formation: A review of their analysis methods and interpretation. 9,		0



33	Gasdynamical flows in star forming regions. 32-46	1
32	Low-energy cosmic rays: regulators of the dense interstellar medium. <b>2022</b> , 30,	1
31	Turbulence, coherence, and collapse: Three phases for core evolution. <b>2022</b> , 517, 885-909	1
30	Density distribution function of a self-gravitating isothermal turbulent fluid in the context of molecular cloud ensembles $\lambda$ III. Virial analysis. <b>2022</b> , 516, 5726-5736	0
29	Possible Explosive Dispersal Outflow in IRAS 16076-5134 Revealed with ALMA. <b>2022</b> , 937, 51	0
28	Core orientations and magnetic fields in isolated molecular clouds. <b>2022</b> , 517, 1138-1155	0
27	Introduction. <b>2022</b> , 1-15	0
26	Isolated Massive Star Formation in G28.20-0.05. <b>2022</b> , 939, 120	0
25	A chemical study of nine star-forming regions with evidence of infall motion.	0
24	IRS 31 14 in Vela C: Observations of Wind Driven Turbulence.	0
23	ALMA Data Cubes and Continuum Maps of the Irradiated Western Wall in Carina. <b>2022</b> , 164, 257	0
22	The Role of Filamentary Structures in the Formation of Two Dense Cores, L1544 and L694-2. <b>2022</b> , 940, 112	1
21	The most massive stars in very young star clusters with a limited mass: Evidence favours significant self-regulation in the star formation processes.	0
20	Multiphase magnetic fields in the galaxy NGC 3627. <b>2022</b> , 519, 1068-1079	0
19	The JCMT BISTRO-2 Survey: Magnetic Fields of the Massive DR21 Filament. <b>2022</b> , 941, 122	0
18	CCAT-prime Collaboration: Science Goals and Forecasts with Prime-Cam on the Fred Young Submillimeter Telescope. <b>2023</b> , 264, 7	2
17	WISE Green Objects (WGOs): The Massive Star Candidates in the Whole Galactic Plane ( $ b  < 2^\circ$ ). <b>2023</b> , 264, 24	0
16	Increasing Mass-to-flux Ratio from the Dense Core to the Protostellar Envelope around the Class 0 Protostar HH 211. <b>2023</b> , 942, 32	0

- 15 NEOWISE Variability of the New Gaia Herbig Ae/Be and Classical Be StarsâVariability Sample and Statistical Analysis. **2023**, 264, 38 o
- 14 Models of Rotating Infall for the B335 Protostar. **2023**, 943, 90 o
- 13 Protoplanetary Disk Science with the Orbiting Astronomical Satellite Investigating Stellar Systems (OASIS) Observatory. **2023**, 219, o
- 12 A Study of Stellar Spins in 15 Open Clusters. **2023**, 944, 39 o
- 11 The Molecular Clouds in a Section of the Third Galactic Quadrant: Cloud Catalog. **2023**, 165, 106 o
- 10 Molecular Gas Properties in Young Stellar Clusters with a Suppressed Star Cluster Wind. **2023**, 944, L32 o
- 9 Physical modelling of dust polarization from magnetically enhanced radiative torque alignment in protostellar cores withpolaris. **2023**, 520, 3788-3826 o
- 8 Binary formation through gas-assisted capture and the implications for stellar, planetary, and compact object evolution. **2023**, 521, 866-880 o
- 7 Near-infrared Polarimetry and H2 Emission toward Massive Young Stars: Discovery of a Bipolar Outflow Associated to S235 e2s3. **2023**, 944, 226 o
- 6 Relative alignment between magnetic fields and molecular gas structure in molecular clouds. **2023**, 521, 3830-3846 o
- 5 Star Formation, Theory. **2021**, 1-4 o
- 4 Comparison Of Different Analytical Models and Approaches of Star Formation. 38, 647-652 o
- 3 On the origin of de-polarization in CB54. o
- 2 The sub-critical illusion: synthetic Zeeman effect observations from galactic zoom-in simulations. **2023**, 521, 5604-5615 o
- 1 Disk Wind Feedback from High-mass Protostars. II. The Evolutionary Sequence. **2023**, 947, 40 o