

Onsala Space Observatory, Chalmers

Publication list 2018

Compiled by Magnus Thomasson

Publications in refereed journals 2018 enabled by the Onsala infrastructure are recorded below.

[Astronomy: Onsala 20 m telescope \(single-dish\)](#)

[Astronomy: APEX](#)

[Astronomy: ALMA](#)

[Astronomy: VLBI](#)

[Astronomy: LOFAR](#)

[Geoscience](#)

[Technology: receiver development etc.](#)

In addition to the publications listed below, in 2018 there was *one* publications using astronomical data from the satellite *Odin*, and *four* publications using data from *SEST* (closed in 2003).

Astronomy: Onsala 20 m telescope (single-dish)

Sulphur-bearing molecules in AGB stars. II. Abundances and distributions of CS and SiS.

Danilovich, T., Ramstedt, S., Gobrecht, D., Decin, L., De Beck, E., Olofsson, H.,
A&A 617, A132 (2018)

2018 Census of Interstellar, Circumstellar, Extragalactic, Protoplanetary Disk, and Exoplanetary Molecules.

McGuire, Brett A.,
ApJS 239, 17 (2018)

A search for evidence of small-scale inhomogeneities in dense cores from line profile analysis.

Pirogov, Lev
Res. Astron. Astrophys. 18, 100 (2018)

Study of the filamentary infrared dark cloud G192.76+00.10 in the S254–S258 OB complex.

Ryabukhina, Olga L.; Zinchenko, Igor I.; Samal, Manash R.; Zemlyanukha, Petr M.;
Ladeyschikov, Dmitry A.; Sobolev, Andrej M.; Henkel, Christian; Ojha, Devendra K.,
Res. Astron. Astrophys. 18, 095 (2018)

Astronomy: APEX

Publications from all APEX partner's observing time.

The LABOCA/ACT Survey of Clusters at All Redshifts: Multiwavelength Analysis of Background Submillimeter Galaxies.

Aguirre, Paula, Lindner, Robert R., Baker, Andrew J., Bond, J. Richard, Dünner, Rolando, Galaz, Gaspar, Gallardo, Patricio, Hilton, Matt, Hughes, John P., Infante, Leopoldo, Lima, Marcos, Menten, Karl M., Sievers, Jonathan, Weiss, Axel, Wollack, Edward J.,
ApJ 855, 26 (2018)

Extreme conditions in the molecular gas of lensed star-forming galaxies at $z \sim 3$.

Andreani, Paola, Retana-Montenegro, Edwin, Zhang, Zhi-Yu, Papadopoulos, Padelis, Yang, Chentao, Vegetti, Simona,
A&A 615, A142 (2018)

A molecular gas-rich GRB host galaxy at the peak of cosmic star formation.

Arabsalmani, M., Le Floch, E., Dannerbauer, H., Feruglio, C., Daddi, E., Ciesla, L., Charmandaris, V., Japelj, J., Vergani, S. D., Duc, P. -A., Basa, S., Bournaud, F., Elbaz, D.,
MNRAS 476, 2332 (2018)

Kinematics of the Horsehead Nebula and IC 434 Ionization Front in CO and C+.

Bally, John, Chambers, Ed, Guzman, Viviana, Keto, Eric, Mookerjee, Bhaswati, Sandell, Goran, Stanke, Thomas, Zinnecker, Hans
AJ 155, 80 (2018)

Early phases in the stellar and substellar formation and evolution. Infrared and submillimeter data in the Barnard 30 dark cloud.

Barrado, D., de Gregorio Monsalvo, I., Huélamo, N., Morales-Calderón, M., Bayo, A., Palau, A., Ruiz, M. T., Rivière-Marichalar, P., Bouy, H., Morata, Ó., Stauffer, J. R., Eiroa, C., Noriega-Crespo, A.,
A&A 612, A79 (2018)

Vibrationally excited water emission at 658 GHz from evolved stars.

Baudry, A., Humphreys, E. M. L., Herpin, F., Torstensson, K., Vlemmings, W. H. T., Richards, A. M. S., Gray, M. D., De Breuck, C., Olberg, M.,
A&A 609, A25 (2018)

On the detection of CO and mass-loss of bulge OH/IR stars.

Blommaert, J. A. D. L., Groenewegen, M. A. T., Justtanont, K., Decin, L.,
MNRAS 479, 3545 (2018)

Molecular line study of the S-type AGB star W Aquilae. ALMA observations of CS, SiS, SiO and HCN.

Brunner, M., Danilovich, T., Ramstedt, S., Marti-Vidal, I., De Beck, E., Vlemmings, W. H. T., Lindqvist, M., Kerschbaum, F.,
A&A 617, A23 (2018)

Modelling the carbon AGB star R Sculptoris. Constraining the dust properties in the detached shell based on far-infrared and sub-millimeter observations.

Brunner, M., Maercker, M., Mecina, M., Khouri, T., Kerschbaum, F.,
A&A 614, A17 (2018)

DZ Chamaeleontis: a bona fide photoevaporating disc.

Canovas, H., Montesinos, B., Schreiber, M. R., Cieza, L. A., Eiroa, C., Meeus, G., de Boer, J., Ménard, F., Wahhaj, Z., Riviere-Marichalar, P., Olofsson, J., Garufi, A., Rebollido, I., van Holstein, R. G., Caceres, C., Hardy, A., Villaver, E.,
A&A 610, A13 (2018)

VALES - IV. Exploring the transition of star formation efficiencies between normal and starburst galaxies using APEX/SEPIA Band-5 and ALMA at low redshift.

Cheng, C., Ibar, E., Hughes, T. M., Villanueva, V., Leiton, R., Orellana, G., Muñoz Arancibia, A., Lu, N., Xu, C. K., Willmer, C. N. A., Huang, J., Cao, T., Yang, C., Xue, Y. Q., Torstensson, K.,
MNRAS 475, 248 (2018)

Radio and infrared study of southern H II regions G346.056-0.021 and G346.077-0.056.

Das, S. R., Tej, A., Vig, S., Liu, T., Ghosh, S. K., Chandra, C. H. I.,
A&A 612, A36 (2018)

Sulphur-bearing molecules in AGB stars. II. Abundances and distributions of CS and SiS.

Danilovich, T., Ramstedt, S., Gobrecht, D., Decin, L., De Beck, E., Olofsson, H.,
A&A 617, A132 (2018)

Circumstellar environment of the M-type AGB star R Doradus. APEX spectral scan at 159.0-368.5 GHz.

De Beck, E., Olofsson, H.,
A&A 615, A8 (2018)

Measuring molecular abundances in comet C/2014 Q2 (Lovejoy) using the APEX telescope.

de Val-Borro, M., Milam, S. N., Cordiner, M. A., Charnley, S. B., Coulson, I. M., Remijan, A. J., Villanueva, G. L.,
MNRAS 474, 1099-1107 (2018)

Cloud–Cloud Collision-induced Star Formation in IRAS 18223-1243.

Dewangan, L. K., Ojha, D. K., Zinchenko, I., Baug, T.,
ApJ 861, 19 (2018)

The unusual ISM in blue and dusty gas-rich galaxies (BADGRS).

Dunne, L., Zhang, Z., De Vis, P., Clark, C. J. R., Oteo, I., Maddox, S. J., Cigan, P., de Zotti, G., Gomez, H. L., Ivison, R. J., Rowlands, K., Smith, M. W. L., van der Werf, P., Vlahakis, C., Millard, J. S.,
MNRAS 479, 1221 (2018)

The first high-resolution observations of 37.7-, 38.3-, and 38.5-GHz methanol masers.

Ellingsen, S. P., Voronkov, M. A., Breen, S. L., Caswell, J. L., Sobolev, A. M.,
MNRAS 480, 4851 (2018)

The Dual Role of Starbursts and Active Galactic Nuclei in Driving Extreme Molecular Outflows.

Gowardhan, Avani, Spoon, Henrik, Riechers, Dominik A., González-Alfonso, Eduardo, Farrah, Duncan, Fischer, Jacqueline, Darling, Jeremy, Fergulio, Chiara, Afonso, Jose, Bizzocchi, Luca,
ApJ 859, 35 (2018)

Opening PANDORA's box: APEX observations of CO in PNe.

Guzman-Ramirez, L., Gómez-Ruíz, A. I., Boffin, H. M. J., Jones, D., Wesson, R., Zijlstra, A. A., Smith, C. L., Nyman, Lars-Åke,
A&A 618, A91 (2018)

G337.342–0.119 (The “Pebble”): A Cold, Dense, High-mass Molecular Cloud with Unusually Large Line Widths and a Candidate High-mass Star Cluster Progenitor.

Jackson, James M., Contreras, Yanett, Rathborne, Jill M., Whitaker, J. Scott, Guzmán, Andrés, Stephens, Ian W., Sanhueza, Patricio, Longmore, Steven, Zhang, Qizhou, Allingham, David,
ApJ 869, 102 (2018)

First Results from the Herschel and ALMA Spectroscopic Surveys of the SMC: The Relationship between [C II]-bright Gas and CO-bright Gas at Low Metallicity.

Jameson, Katherine E., Bolatto, Alberto D., Wolfire, Mark, Warren, Steven R., Herrera-Camus, Rodrigo, Croxall, Kevin, Pellegrini, Eric, Smith, John-David, Rubio, Monica, Indebetouw, Remy, Israel, Frank P., Meixner, Margaret, Roman-Duval, Julia, van Loon, Jacco Th., Muller, Erik, Verdugo, Celia, Zinnecker, Hans, Okada, Yoko,
ApJ 853, 111 (2018)

Submillimeter-wave emission of three Galactic red novae: cool molecular outflows produced by stellar mergers.

Kamiński, T., Steffen, W., Tylenda, R., Young, K. H., Patel, N. A., Menten, K. M.,
A&A 617, A129 (2018)

Astronomical detection of radioactive molecule ^{26}AlF in the remnant of an ancient explosion.

Kamiński, Tomasz, Tylenda, Romuald, Menten, Karl M., Karakas, Amanda, Winters, Jan Martin, Breier, Alexander A., Wong, Ka Tat, Giesen, Thomas F., Patel, Nimesh A.,
Nature Astronomy 2, 778 (2018)

Distortion of Magnetic Fields in a Starless Core. V. Near-infrared and Submillimeter Polarization in FeSt 1-457.

Kandori, Ryo, Nagata, Tetsuya, Tazaki, Ryo, Tamura, Motohide, Saito, Masao, Tomisaka, Kohji, Matsumoto, Tomoaki, Kusakabe, Nobuhiko, Nakajima, Yasushi, Kwon, Jungmi, Nagayama, Takahiro, Tatematsu, Ken'ichi,
ApJ 868, 94 (2018)

The 1.4 mm Core of Centaurus A: First VLBI Results with the South Pole Telescope.

Kim, Junhan, Marrone, Daniel P., Roy, Alan L., Wagner, Jan, Asada, Keiichi, Beaudoin, Christopher, Blanchard, Jay, Carlstrom, John E., Chen, Ming-Tang, Crawford, Thomas M., Crew, Geoffrey B., Doeleman, Sheperd S., Fish, Vincent L., Greer, Christopher H., Gurwell, Mark A., Henning, Jason W., Inoue, Makoto, Keisler, Ryan, Krichbaum, Thomas P., Lu, Ru-Sen, Muders, Dirk, Müller, Cornelia, Nguyen, Chi H., Ros, Eduardo, SooHoo, Jason, Tilanus, Remo P. J., Titus, Michael, Vertatschitsch, Laura, Weintroub, Jonathan, Zensus, J. Anton, ApJ 861, 129 (2018)

New detections of (sub)millimeter hydrogen radio recombination lines towards high-mass star-forming clumps.

Kim, W. -J., Urquhart, J. S., Wyrowski, F., Menten, K. M., Csengeri, T., A&A 616, A107 (2018)

The perturbed sublimation rim of the dust disk around the post-AGB binary IRAS08544-4431.

Kluska, J., Hillen, M., Van Winckel, H., Manick, R., Min, M., Regibo, S., Royer, P., A&A 616, A153 (2018)

Surround and Squash: the impact of superbubbles on the interstellar medium in Scorpius-Centaurus OB2.

Krause, Martin G. H., Burkert, Andreas, Diehl, Roland, Fierlinger, Katharina, Gaczkowski, Benjamin, Kroell, Daniel, Ngoumou, Judith, Roccatagliata, Veronica, Siebert, Thomas, Preibisch, Thomas, A&A 619, A120 (2018)

Ultra-red Galaxies Signpost Candidate Protoclusters at High Redshift.

Lewis, A. J. R., Ivison, R. J., Best, P. N., Simpson, J. M., Weiss, A., Oteo, I., Zhang, Z. -Y., Arumugam, V., Bremer, M. N., Chapman, S. C., Clements, D. L., Dannerbauer, H., Dunne, L., Eales, S., Maddox, S., Oliver, S. J., Omont, A., Riechers, D. A., Serjeant, S., Valiante, E., Wardlow, J., van der Werf, P., De Zotti, G. ApJ 862, 96 (2018)

High-mass Outflows Identified from COHRS CO (3–2) Survey.

Li, Qiang, Zhou, Jianjun, Esimbek, Jarken, He, Yuxin, Baan, W. A., Li, Dalei, Wu, Gang, Tang, Xindi, Ji, Weiguang, Zhaxeray, Dauren, ApJ 867, 167 (2018)

The straight and isolated G350.54+0.69 filament: density profile and star formation content.

Liu, Hong-Li, Stutz, Amelia, Yuan, Jing-Hua, MNRAS 478 , 2119 (2018)

An Isothermal Outflow in High-mass Star-forming Region G240.31+0.07.

Liu, Junhao, Qiu, Keping, Wyrowski, Friedrich, Menten, Karl, Güsten, Rolf, Cao, Yue, Wang, Yuwei, ApJ 860, 106 (2018)

Detection of Intrinsic Source Structure at ~ 3 Schwarzschild Radii with Millimeter-VLBI Observations of SAGITTARIUS A.*

Lu, Ru-Sen, Krichbaum, Thomas P., Roy, Alan L., Fish, Vincent L., Doeleman, Sheperd S., Johnson, Michael D., Akiyama, Kazunori, Psaltis, Dimitrios, Alef, Walter, Asada, Keiichi, Beaudoin, Christopher, Bertarini, Alessandra, Blackburn, Lindy, Blundell, Ray, Bower, Geoffrey C., Brinkerink, Christiaan, Broderick, Avery E., Cappallo, Roger, Crew, Geoffrey B., Dexter, Jason, Dexter, Matt, Falcke, Heino, Freund, Robert, Friberg, Per, Greer, Christopher H., Gurwell, Mark A., Ho, Paul T. P., Honma, Mareki, Inoue, Makoto, Kim, Junhan, Lamb, James, Lindqvist, Michael, Macmahon, David, Marrone, Daniel P., Martí-Vidal, Ivan, Menten, Karl M., Moran, James M., Nagar, Neil M., Plambeck, Richard L., Primiani, Rurik A., Rogers, Alan E. E., Ros, Eduardo, Rottmann, Helge, SooHoo, Jason, Spilker, Justin, Stone, Jordan, Strittmatter, Peter, Tilanus, Remo P. J., Titus, Michael, Vertatschitsch, Laura, Wagner, Jan, Weintroub, Jonathan, Wright, Melvyn, Young, Ken H., Zensus, J. Anton, Ziurys, Lucy M.,
ApJ 859, 60 (2018)

Properties of dust in the detached shells around U Antilae, DR Serpentis, and V644 Scorpii.

Maercker, M., Khouri, T., De Beck, E., Brunner, M., Mecina, M., Jaldehag, O.,
A&A 620, A106 (2018)

Structure and fragmentation of a high line-mass filament: Nessie.

Mattern, M., Kainulainen, J., Zhang, M., Beuther, H.,
A&A 616, A78 (2018)

SEDIGISM: the kinematics of ATLASGAL filaments.

Mattern, M., Kauffmann, J., Csengeri, T., Urquhart, J. S., Leurini, S., Wyrowski, F., Giannetti, A., Barnes, P. J., Beuther, H., Bronfman, L., Duarte-Cabral, A., Henning, T., Kainulainen, J., Menten, K. M., Schisano, E., Schuller, F.,
A&A 619, A166 (2018)

Pulsation-triggered dust production by asymptotic giant branch stars.

McDonald, I., De Beck, E., Zijlstra, A. A., Lagadec, E.,
MNRAS 481, 4984 (2018)

2018 Census of Interstellar, Circumstellar, Extragalactic, Protoplanetary Disk, and Exoplanetary Molecules.

McGuire, Brett A.,
ApJS 239, 17 (2018)

G331.512–0.103: An Interstellar Laboratory for Molecular Synthesis. I. The Ortho-to-para Ratios for CH₃OH and CH₃CN.

Mendoza, Edgar, Bronfman, Leonardo, Duronea, Nicolas U., Lépine, Jacques R. D., Finger, Ricardo, Merello, Manuel, Hervías-Caimapo, Carlos, Gama, Diana R. G., Reyes, Nicolas, Nyman, Lars-Åke,
ApJ 853, 152 (2018)

Widespread HCN maser emission in carbon-rich evolved stars.

Menten, K. M., Wyrowski, F., Keller, D., Kamiński, T.,
A&A 613, A49 (2018)

Molecular gas masses of gamma-ray burst host galaxies.

Michałowski, Michał J., Karska, A., Rizzo, J. R., Baes, M., Castro-Tirado, A. J., Hjorth, J., Hunt, L. K., Kamphuis, P., Koprowski, M. P., Krumholz, M. R., Malesani, D., Nicuesa Guelbenzu, A., Rasmussen, J., Rossi, A., Schady, P., Sollerman, J., van der Werf, P.,
A&A 617, A143 (2018)

The second-closest gamma-ray burst: sub-luminous GRB 111005A with no supernova in a super-solar metallicity environment.

Michałowski, Michał J., Xu, Dong, Stevens, Jamie, Levan, Andrew, Yang, Jun, Paragi, Zsolt, Kamble, Atish, Tsai, An-Li, Dannerbauer, Helmut, van der Horst, Alexander J., Shao, Lang, Crosby, David, Gentile, Gianfranco, Stanway, Elizabeth, Wiersema, Klaas, Fynbo, Johan P. U., Tanvir, Nial R., Kamphuis, Peter, Garrett, Michael, Bartczak, Przemysław,
A&A 616, A169 (2018)

Protostellar classification using supervised machine learning algorithms.

Miettinen, O.,
Ap&SS 363, 197 (2018)

The Seahorse Nebula: New views of the filamentary infrared dark cloud G304.74+01.32 from SABOCA, Herschel, and WISE.

Miettinen, O.,
A&A 609, A123 (2018)

A massive core for a cluster of galaxies at a redshift of 4.3.

Miller, T. B., Chapman, S. C., Aravena, M., Ashby, M. L. N., Hayward, C. C., Vieira, J. D., Weiß, A., Babul, A., Béthermin, M., Bradford, C. M., Brodwin, M., Carlstrom, J. E., Chen, Chian-Chou, Cunningham, D. J. M., De Breuck, C., Gonzalez, A. H., Greve, T. R., Harnett, J., Hezaveh, Y., Lacaille, K., Litke, K. C., Ma, J., Malkan, M., Marrone, D. P., Morningstar, W., Murphy, E. J., Narayanan, D., Pass, E., Perry, R., Phadke, K. A., Rennehan, D., Rotermund, K. M., Simpson, J., Spilker, J. S., Sreevani, J., Stark, A. A., Strandet, M. L., Strom, A. L.,
Nature 556, 469-472 (2018)

On the origin of phosphorus nitride in star-forming regions.

Mininni, C., Fontani, F., Rivilla, V. M., Beltrán, M. T., Caselli, P., Vasyunin, A.,
MNRAS 476, L39 (2018)

The Dense Gas Fraction in Galactic Center Clouds.

Mills, E. A. C., Ginsburg, A., Immer, K., Barnes, J. M., Wiesenfeld, L., Faure, A., Morris, M. R., Requena-Torres, M. A.,
ApJ 868, 7 (2018)

GASP - X. APEX observations of molecular gas in the discs and in the tails of ram-pressure stripped galaxies.

Moretti, A., Paladino, R., Poggianti, B. M., D'Onofrio, M., Bettoni, D., Gullieuszik, M., Jaffé, Y. L., Vulcani, B., Fasano, G., Fritz, J., Torstensson, K.,
MNRAS 480, 2508 (2018)

Role of environment and gas temperature in the formation of multiple protostellar systems: molecular tracers.

Murillo, N. M., van Dishoeck, E. F., Tobin, J. J., Mottram, J. C., Karska, A.,
A&A 620, A30 (2018)

Tracing the cold and warm physico-chemical structure of deeply embedded protostars: IRAS 16293-2422 vs. VLA 1623-2417.

Murillo, N. M., van Dishoeck, E. F., van der Wiel, M. H. D., Jørgensen, J. K., Drozdovskaya, M. N., Calcutt, H., Harsono, D.,
A&A 617, A120 (2018)

Cold gas in a complete sample of group-dominant early-type galaxies.

O'Sullivan, E., Combes, F., Salomé, P., David, L. P., Babul, A., Vrtilek, J. M., Lim, J., Olivares, V., Raychaudhury, S., Schellenberger, G.,
A&A 618, A126 (2018)

An Extreme Protocluster of Luminous Dusty Starbursts in the Early Universe.

Oteo, I., Ivison, R. J., Dunne, L., Manilla-Robles, A., Maddox, S., Lewis, A. J. R., de Zotti, G., Bremer, M., Clements, D. L., Cooray, A., Dannerbauer, H., Eales, S., Greenslade, J., Omont, A., Perez—Fournón, I., Riechers, D., Scott, D., van der Werf, P., Weiss, A., Zhang, Z. -Y.,
ApJ 856, 72 (2018)

A Thorough View of the Nuclear Region of NGC 253: Combined Herschel, SOFIA, and APEX Data Set.

Pérez-Beaupuits, J. P., Güsten, R., Harris, A., Requena-Torres, M. A., Menten, K. M., Weiß, A., Polehampton, E., van der Wiel, M. H. D.,
ApJ 860, 23 (2018)

3D modelling of HCO⁺ and its isotopologues in the low-mass proto-star IRAS16293-2422.

Quénard, D., Bottinelli, S., Caux, E., Wakelam, V.,
MNRAS 477, 5312 (2018)

A dust twin of Cas A: cool dust and 21 μm silicate dust feature in the supernova remnant G54.1+0.3.

Rho, J., Gomez, H. L., Boogert, A., Smith, M. W. L., Lagage, P. -O., Dowell, D., Clark, C. J. R., Peeters, E., Cami, J.,
MNRAS 479, 5101 (2018)

Exploring the Origins of Earth's Nitrogen: Astronomical Observations of Nitrogen-bearing Organics in Protostellar Environments.

Rice, Thomas S., Bergin, Edwin A., Jørgensen, Jes K., Wampfler, S. F.,
ApJ 866, 156 (2018)

A NIKA view of two star-forming infrared dark clouds: Dust emissivity variations and mass concentration.

Rigby, A. J., Peretto, N., Adam, R., Ade, P., André, P., Aussel, H., Beelen, A., Benoît, A., Bracco, A., Bideaud, A., Bourrion, O., Calvo, M., Catalano, A., Clark, C. J. R., Comis, B., De Petris, M., Désert, F. -X., Doyle, S., Driessen, E. F. C., Goupy, J., Kramer, C., Lagache, G., Leclercq, S., Lestrade, J. -F., Macías-Pérez, J. F., Maukopf, P., Mayet, F., Monfardini, A., Pascale, E., Perotto, L., Pisano, G., Ponthieu, N., Revéret, V., Ritacco, A., Romero, C., Roussel, H., Ruppin, F., Schuster, K., Sievers, A., Triqueneaux, S., Tucker, C., Zylka, R.,
A&A 615, A18 (2018)

Footpoints of the giant molecular loops in the Galactic center region.

Riquelme, D., Amo-Baladrón, M. A., Martín-Pintado, J., Mauersberger, R., Martín, S., Burton, M., Cunningham, M., Jones, P. A., Menten, K. M., Bronfman, L., Güsten, R.,
A&A 613, A42 (2018)

LLAMA: normal star formation efficiencies of molecular gas in the centres of luminous Seyfert galaxies.

Rosario, D. J., Burtscher, L., Davies, R. I., Koss, M., Ricci, C., Lutz, D., Riffel, R., Alexander, D. M., Genzel, R., Hicks, E. H., Lin, M. -Y., Maciejewski, W., Müller-Sánchez, F., Orban de Xivry, G., Riffel, R. A., Schartmann, M., Schawinski, K., Schnorr-Müller, A., Saintonge, A., Shimizu, T., Sternberg, A., Storchi-Bergmann, T., Sturm, E., Tacconi, L., Treister, E., Veilleux, S.,
MNRAS 473, 5658 (2018)

Detection of CI line emission towards the oxygen-rich AGB star omi Ceti.

Saberi, M., Vlemmings, W. H. T., De Beck, E., Montez, R., Ramstedt, S.,
A&A 612, L11 (2018)

Velocity-resolved [O I] 63 μ m Emission in the HD 50138 Circumstellar Disk.

Sandell, Göran, Salyk, C., van den Ancker, M., de Wit, W. -J., Chambers, E., Güsten, R., Wiesemeyer, H., Richter, H.,
ApJ 864, 104 (2018)

MALT90 molecular content on high-mass IR-dark clumps.

Saral, Gozde, Audard, Marc, Wang, Yuan,
A&A 620, A158 (2018)

Slingshot mechanism for clusters: Gas density regulates star density in the Orion Nebula Cluster (M42).

Stutz, Amelia M.,
MNRAS 473, 4890 (2018)

Kinetic temperature of massive star-forming molecular clumps measured with formaldehyde. III. The Orion molecular cloud 1.

Tang, X. D., Henkel, C., Menten, K. M., Wyrowski, F., Brinkmann, N., Zheng, X. W., Gong, Y., Lin, Y. X., Esimbek, J., Zhou, J. J., Yuan, Y., Li, D. L., He, Y. X.,
A&A 609, A16 (2018)

ATLASGAL-selected massive clumps in the inner Galaxy. VI. Kinetic temperature and spatial density measured with formaldehyde.

Tang, X. D., Henkel, C., Wyrowski, F., Giannetti, A., Menten, K. M., Csengeri, T., Leurini, S., Urquhart, J. S., König, C., Güsten, R., Lin, Y. X., Zheng, X. W., Esimbek, J., Zhou, J. J., A&A 611, A6 (2018)

Photometric variability of massive young stellar objects.

Teixeira, G. D. C., Kumar, M. S. N., Smith, L., Lucas, P. W., Morris, C., Borissova, J., Monteiro, M. J. P. F. G., Caratti o Garatti, A., Contreras Peña, C., Froebrich, D., Gameiro, J. F. A&A 619, A41 (2018)

Unveiling the remarkable photodissociation region of Messier 8.

Tiwari, M., Menten, K. M., Wyrowski, F., Pérez-Beaupuits, J. P., Wiesemeyer, H., Güsten, R., Klein, B., Henkel, C., A&A 615, A158 (2018)

ATLASGAL — properties of a complete sample of Galactic clumps.

Urquhart, J. S., König, C., Giannetti, A., Leurini, S., Moore, T. J. T., Eden, D. J., Pillai, T., Thompson, M. A., Braiding, C., Burton, M. G., Csengeri, T., Dempsey, J. T., Figura, C., Froebrich, D., Menten, K. M., Schuller, F., Smith, M. D., Wyrowski, F., MNRAS 473, 1059 (2018)

Star formation toward the H II region IRAS 10427-6032.

Vaidya, Kaushar, Bhattacharya, Souradeep, Panwar, Vatsal, Samal, Manash R., Chen, Wen-Ping, Ojha, Devendra K., New Astronomy 63, 27 (2018)

Chemical content of the circumstellar envelope of the oxygen-rich AGB star R Doradus. Non-LTE abundance analysis of CO, SiO, and HCN.

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