

Onsala Space Observatory, Chalmers

Publication list 2017

Compiled by Magnus Thomasson

Publications in refereed journals 2017 enabled by the Onsala infrastructure are recorded below.

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

[Astronomy: APEX](#)

[Astronomy: ALMA](#)

[Astronomy: VLBI](#)

[Astronomy: LOFAR](#)

[Geoscience](#)

In addition to the publications listed below, in 2017 there were *two* publications using astronomical data from the satellite *Odin*, *three* publications using data from *SEST* (closed in 2003), and *eight* publications by OSO staff on radio astronomical instrumentation, methods, techniques, etc.

Astronomy: Onsala 20 m telescope (single-dish)

A CO survey on a sample of Herschel cold clumps.

O. Fehér, M. Juvela, T. Lunttila, J. Montillaud, I. Ristorcelli, S. Zahorecz and L. V. Tóth, A&A 606, A102 (2017)

Gas kinematics in high-mass star-forming regions from the Perseus spiral arm.

M. S. Kirsanova, A. M. Sobolev, M. Thomasson, Astronomy Reports 61, No. 9, pp. 760-744 (2017)

Chemical complexity induced by efficient ice evaporation in the Barnard 5 molecular cloud.

V. Taquet, E. S. Wirström, S. B. Charnley, A. Faure, A. López-Sepulcre and C. M. Persson, A&A 607, A20 (2017)

Astronomy: APEX

Publications from all APEX partner's observing time.

Chasing discs around O-type (proto)stars: Evidence from ALMA observations.

Cesaroni, R.; Sánchez-Monge, Á.; Beltrán, M. T. et al. (27 more), A&A 602, A59 (2017)

Herschel survey and modelling of externally-illuminated photoevaporating protoplanetary disks.

Champion, J.; Berné, O.; Vicente, S. et al. (5 more), A&A 604, A69 (2017)

The final data release of ALLSMOG: a survey of CO in typical local low- M_ star-forming galaxies.*

Cicone, C.; Bothwell, M.; Wagg, J. et al. (16 more),
A&A 604, A53 (2017)

Characterizing the properties of cluster precursors in the MALT90 survey.

Contreras, Yanett; Rathborne, Jill M.; Guzman, Andres et al. (4 more),
MNRAS 466, 340 (2017)

The ATLASGAL survey: The sample of young massive cluster progenitors.

Csengeri, T.; Bontemps, S.; Wyrowski, F. et al. (5 more),
A&A 601, A60 (2017)

Simultaneous low- and high-mass star formation in a massive protocluster: ALMA observations of G11.92-0.61[★].

Cyganowski, C. J.; Brogan, C. L.; Hunter, T. R. et al. (4 more),
MNRAS 468, 3694 (2017)

Sulphur-bearing molecules in AGB stars. I. The occurrence of hydrogen sulphide.

Danilovich, T.; Van de Sande, M.; De Beck, E.,
A&A 606, A124 (2017)

Search for aluminium monoxide in the winds of oxygen-rich AGB stars. De Beck, E.;

Decin, L.; Ramstedt, S. et al. (4 more),
A&A 598, A53 (2017)

Nucleosynthesis in AGB stars traced by oxygen isotopic ratios. I. Determining the stellar initial mass by means of the $^{17}\text{O}/^{18}\text{O}$ ratio.

De Nutte, R.; Decin, L.; Olofsson, H. et al. (8 more),
A&A 600, A71 (2017)

Star Formation Activity in the Molecular Cloud G35.20-0.74: Onset of Cloud-Cloud Collision.

Dewangan, L. K.,
ApJ 837, 44 (2017)

New Insights in the Mid-infrared Bubble N49 Site: A Clue of Collision of Filamentary Molecular Clouds.

Dewangan, L. K.; Ojha, D. K.; Zinchenko, I.,
ApJ 851, 140 (2017)

Triggered massive star formation associated with the bubble Hii region Sh2-39 (N5).

Duronea, N. U.; Cappa, C. E.; Bronfman, L. et al. (3 more),
A&A 606, A8 (2017)

The Hi-GAL compact source catalogue - I. The physical properties of the clumps in the inner Galaxy ($-71.0^\circ < \ell < 67.0^\circ$).

Elia, Davide; Molinari, S.; Schisano, E. et al. (82 more),
MNRAS 471, 100 (2017)

On the frequency of star-forming galaxies in the vicinity of powerful AGNs: The case of SMM J04135+10277.

Fogasy, J.; Knudsen, K. K.; Lagos, C. D. P.; Drouart, G.; Gonzalez-Perez, V.,
A&A 597, A123 (2017)

Squeezed between shells? The origin of the Lupus I molecular cloud. II. APEX CO and GASS HI observations.

Gaczkowski, B.; Roccatagliata, V.; Flaischlen, S.; Kröll, D.; Krause, M. G. H.; Burkert, A.; Diehl, R.; Fierlinger, K.; Ngoumou, J.; Preibisch, T.,
A&A 608, A102 (2017)

Galactocentric variation of the gas-to-dust ratio and its relation with metallicity.

Giannetti, A.; Leurini, S.; König, C. et al. (6 more),
A&A 606, L12 (2017)

ATLASGAL-selected massive clumps in the inner Galaxy. V. Temperature structure and evolution.

Giannetti, A.; Leurini, S.; Wyrowski, F. et al. (5 more),
A&A 603, A33 (2017)

Radio observations confirm young stellar populations in local analogues to $z \sim 5$ Lyman break galaxies.

Greis, Stephanie M. L.; Stanway, Elizabeth R.; Levan, Andrew J.; Davies, Luke J. M.; Eldridge, J. J.,
MNRAS 470, 489 (2017)

Radio observations of globulettes in the Carina nebula.

Haikala, L. K.; Gahm, G. F.; Grenman, T.; Mäkelä, M. M.; Persson, C. M.,
A&A 602, A61 (2017)

Deuteration of ammonia in the starless core Ophiuchus/H-MM1.

Harju, J.; Daniel, F.; Sipilä, O. et al. (13 more),
A&A 600, A61 (2017)

Detection of Interstellar Ortho- D_2H^+ with SOFIA.

Harju, Jorma; Sipilä, Olli; Brünken, Sandra et al. (9 more),
ApJ 840, 63 (2017)

Tracing the Magnetic Field of IRDC G028.23-00.19 Using NIR Polarimetry.

Hoq, Sadia; Clemens, D. P.; Guzmán, Andrés E.; Cashman, Lauren R.,
ApJ 836, 199 (2017)

A search for pre- and proto-brown dwarfs in the dark cloud Barnard 30 with ALMA.

Huélamo, N.; de Gregorio-Monsalvo, I.; Palau, A. et al. (9 more),
A&A 597, A17 (2017)

Simultaneous 183 GHz H_2O maser and SiO observations towards evolved stars using APEX SEPIA Band 5.

Humphreys, E. M. L.; Immer, K.; Gray, M. D. et al. (10 more),
A&A 603, A77 (2017)

Physical conditions of the molecular gas in metal-poor galaxies.

Hunt, L. K.; Weiß, A.; Henkel, C. et al. (8 more),
A&A 606, A99 (2017)

The outflow of gas from the Centaurus A circumnuclear disk. Atomic spectral line maps from Herschel/PACS and APEX.

Israel, F. P.; Güsten, R.; Meijerink, R.; Requena-Torres, M. A.; Stutzki, J.,
A&A 599, A53 (2017)

MALT-45: A 7 mm survey of the southern Galaxy - II. ATCA follow-up observations of 44 GHz class I methanol masers.

Jordan, Christopher H.; Walsh, Andrew J.; Breen, Shari L. et al (3 more),
MNRAS 471, 3915 (2017)

Organic molecules, ions, and rare isotopologues in the remnant of the stellar-merger candidate, CK Vulpeculae (Nova 1670).

Kamiński, T.; Menten, K. M.; Tylenda, R.; Karakas, A.; Belloche, A.; Patel, N. A.,
A&A 607, A78 (2017)

An observational study of dust nucleation in Mira (o Ceti). II. Titanium oxides are negligible for nucleation at high temperatures.

Kamiński, T.; Müller, H. S. P.; Schmidt, M. R. et al. (7 more),
A&A 599, A59 (2017)

The Galactic Center Molecular Cloud Survey. I. A steep linewidth-size relation and suppression of star formation.

Kauffmann, Jens; Pillai, Thushara; Zhang, Qizhou et al. (4 more),
A&A 603, A89 (2017)

The Galactic Center Molecular Cloud Survey. II. A lack of dense gas and cloud evolution along Galactic center orbits.

Kauffmann, Jens; Pillai, Thushara; Zhang, Qizhou et al. (5 more),
A&A 603, A90 (2017)

ATLASGAL-selected massive clumps in the inner Galaxy. IV. Millimeter hydrogen recombination lines from associated H II regions.

Kim, W.-J.; Wyrowski, F.; Urquhart, J. S.; Menten, K. M.; Csengeri, T.,
A&A 602, A37 (2017)

Revealing the structure of the outer disks of Be stars.

Klement, R.; Carciofi, A. C.; Rivinius, T. et al. (9 more),
A&A 601, A74 (2017)

Cold CO Gas in the Envelopes of FU Orionis-type Young Eruptive Stars.

Kóspál, Á.; Ábrahám, P.; Csengeri, T. et al. (3 more),
ApJ 836, 226 (2017)

Resolving the Circumstellar Environment of the Galactic B[e] Supergiant Star MWC 137 from Large to Small Scales.

Kraus, Michaela; Liimets, Tiina; Cappa, Cristina E. et al. (10 more), AJ 154, 186 (2017)

ATLASGAL-selected massive clumps in the inner Galaxy. III. Dust continuum characterization of an evolutionary sample.

König, C.; Urquhart, J. S.; Csengeri, T. et al. (8 more),
A&A 599, A139 (2017)

Externally Heated Protostellar Cores in the Ophiuchus Star-forming Region.

Lindberg, Johan E.; Charnley, Steven B.; Jørgensen, Jes K.; Cordiner, Martin A.;
Bjerkeli, Per,
ApJ 835, 3 (2017)

Herschel observations of the Galactic H II region RCW 79.

Liu, Hong-Li; Figueira, Miguel; Zavagno, Annie et al. (12 more),
A&A 602, A95 (2017)

HIFI Spectroscopy of H₂O Submillimeter Lines in Nuclei of Actively Star-forming Galaxies.

Liu, L.; Weiß, A.; Perez-Beaupuits, J. P. et al. (10 more),
ApJ 846, 5 (2017)

ALMA Reveals Sequential High-mass Star Formation in the G9.62+0.19 Complex.

Liu, Tie; Lacy, John; Li, Pak Shing et al. (15 more),
ApJ 849, 25 (2017)

Distribution of water in the G327.3-0.6 massive star-forming region.

Leurini, S.; Herpin, F.; van der Tak, F. et al. (3 more),
A&A 602, A70 (2017)

Cloud Structure of Three Galactic Infrared Dark Star-forming Regions from Combining Ground- and Space-based Bolometric Observations.

Lin, Yuxin; Liu, Haoyu Baobab; Dale, James E. et al. (12 more),
ApJ 840, 22 (2017)

Gas emission and dynamics in the infrared dark cloud G31.23+0.05.

Liu, Xiao-Lan; Wang, Jun-Jie; Xu, Jin-Long; Zhang, Chuan-Peng,
Research in Astronomy and Astrophysics 17, 035 (2017)

H₂O Southern Galactic Plane Survey (HOPS): Paper III - properties of dense molecular gas across the inner Milky Way.

Longmore, S. N.; Walsh, A. J.; Purcell, C. R. et al. (22 more),
MNRAS 170, 1462 (2017)

The Molecular Gas Environment in the 20 km s⁻¹ Cloud in the Central Molecular Zone.

Lu, Xing; Zhang, Qizhou; Kauffmann, Jens et al. (9 more),
ApJ 839, 1 (2017)

An ALMA survey of submillimetre galaxies in the COSMOS field: Physical properties derived from energy balance spectral energy distribution modelling.

Miettinen, O.; Delvecchio, I.; Smolčić, V. et al. (25 more),
A&A 606, A17 (2017)

A Face-on Accretion System in High-mass Star Formation: Possible Dusty Infall Streams within 100 AU.

Motogi, Kazuhito; Hirota, Tomoya; Sorai, Kazuo et al. (7 more),
ApJ 849, 23 (2017)

Outflows, infall and evolution of a sample of embedded low-mass protostars. The William Herschel Line Legacy (WILL) survey.

Mottram, J. C.; van Dishoeck, E. F.; Kristensen, L. E. et al. (22 more),
A&A 600, A99 (2017)

Rosette nebula globules: Seahorse giving birth to a star.

Mäkelä, M. M.; Haikala, L. K.; Gahm, G. F.,
A&A 605, A82 (2017)

Search for Interstellar LiH in the Milky Way.

Neufeld, David A.; Goldsmith, Paul F.; Comito, Claudia; Schmiedeke, Anika,
ApJ 837, 52 (2017)

First detection of methanol towards a post-AGB object, HD 101584.

Olofsson, H.; Vlemmings, W. H. T.; Bergman, P. et al. (6 more),
A&A 603, L2 (2017)

The hybrid disks: a search and study to better understand evolution of disks.

Péicaud, J.; Di Folco, E.; Dutrey, A.; Guilloteau, S.; Piétu, V.,
A&A 600, A62 (2017)

Characterizing the Transition from Diffuse Atomic to Dense Molecular Clouds in the Magellanic Clouds with [C II], [C I], and CO.

Pineda, Jorge L.; Langer, William D.; Goldsmith, Paul F. et al. (8 more),
ApJ 839, 107 (2017)

The Green Bank Ammonia Survey: Unveiling the Dynamics of the Barnard 59 Star-forming Clump.

Redaelli, E.; Alves, F. O.; Caselli, P. et al. (17 more),
ApJ 850, 202 (2017)

Discovery of Broad Molecular Lines and of Shocked Molecular Hydrogen from the Supernova Remnant G357.7+0.3: HHSMT, APEX, Spitzer, and SOFIA Observations.

Rho, J.; Hewitt, J. W.; Bieging, J. et al. (3 more),
ApJ 834, 12 (2017)

Rise of the Titans: A Dusty, Hyper-luminous “870 μm Riser” Galaxy at $z \sim 6$.

Riechers, Dominik A.; Leung, T. K. Daisy; Ivison, Rob J. et al. (12 more),
ApJ 850, 1 (2017)

xCOLD GASS: The Complete IRAM 30m Legacy Survey of Molecular Gas for Galaxy Evolution Studies.

Saintonge, Amélie; Catinella, Barbara; Tacconi, Linda J. et al. (18 more),
ApJS 233, 22 (2017)

GRB 110715A: the peculiar multiwavelength evolution of the first afterglow detected by ALMA.

Sánchez-Ramírez, R.; Hancock, P. J.; Jóhannesson, G. et al. (35 more),
MNRAS 464, 4624 (2017)

SEDIGISM: Structure, excitation, and dynamics of the inner Galactic interstellar medium.

Schuller, F.; Csengeri, T.; Urquhart, J. S. et al. (41 more),
A&A 601, A124 (2017)

ISM Properties of a Massive Dusty Star-forming Galaxy Discovered at $z \sim 7$.

Strandet, M. L.; Weiss, A.; De Breuck, C. et al. (28 more),
ApJL 842, L15 (2017)

Submillimeter and radio variability of Sagittarius A. A statistical analysis.*

Subroweit, M.; García-Marín, M.; Eckart, A. et al. (5 more),
A&A 601, A80 (2017)

(Sub)millimeter emission lines of molecules in born-again stars.

Tafoya, D.; Toalá, J. A.; Vlemmings, W. H. T. et al. (7 more),
A&A 600, A23 (2017)

Kinetic temperature of massive star-forming molecular clumps measured with formaldehyde. II. The Large Magellanic Cloud.

Tang, X. D.; Henkel, C.; Chen, C.-H. R. et al. (8 more),
A&A 600, A16 (2017)

Kinetic temperature of massive star forming molecular clumps measured with formaldehyde.

Tang, X. D.; Henkel, C.; Menten, K. M. et al. (8 more),
A&A 598, A30 (2017)

A Massive Molecular Outflow in the Dense Dust Core AGAL G337.916-00.477.

Torii, Kazufumi; Hattori, Yusuke; Hasegawa, Keisuke et al. (9 more),
ApJ 840, 111 (2017)

Massive 70 μm quiet clumps I: evidence of embedded low/intermediate-mass star formation activity.

Traficante, A.; Fuller, G. A.; Billot, N. et al. (5 more),
MNRAS 470, 3882 (2017)

Gas kinematics in the H II regions G351.69-1.15 and G351.63-1.25.

Veena, V. S.; Vig, S.; Tej, A.; Kantharia, N. G.; Ghosh, S. K.,
MNRAS 465, 4219 (2017)

ALMA Compact Array observations of the Fried Egg nebula. Evidence for large-scale asymmetric mass-loss from the yellow hypergiant IRAS 17163-3907.

Wallström, S. H. J.; Lagadec, E.; Müller, S. et al. (12 more),
A&A 597, A99 (2017)

High-mass Starless Clumps in the Inner Galactic Plane: The Sample and Dust Properties.
Yuan, Jinghua; Wu, Yuefang; Ellingsen, Simon P. et al. (7 more),
ApJS 231, 11 (2017)

Gas versus solid-phase deuterated chemistry: HDCO and D2CO in massive star-forming regions.

Zahorecz, S.; Jimenez-Serra, I.; Testi, L. et al. (5 more),
A&A 602, L3 (2017)

Mass-size scaling $M \sim r^{1.67}$ of massive star-forming clumps - evidences of turbulence-regulated gravitational collapse.

Zhang, Chuan-Peng; Li, Guang-Xing,
MNRAS 469, 2286 (2017)

A multiwavelength observation and investigation of six infrared dark clouds.

Zhang, Chuan-Peng; Yuan, Jing-Hua; Li, Guang-Xing; Zhou, Jian-Jun; Wang, Jun-Jie,
A&A 598, A76 (2017)

Astronomy: ALMA

Publications resulting from ALMA observations and with Nordic ARC node involvement.

Luminous, pc-scale CO 6-5 emission in the obscured nucleus of NGC 1377.

Aalto, S.; Muller, S.; Costagliola, F. et al. (13 more),
A&A 608, A22 (2017)

Search for aluminium monoxide in the winds of oxygen-rich AGB stars.

De Beck, E.; Decin, L.; Ramstedt, S. et al. (4 more),
A&A 598, A53 (2017)

The extended molecular envelope of the asymptotic giant branch star π^1 Gruis as seen by ALMA. I. Large-scale kinematic structure and CO excitation properties.

Doan, L.; Ramstedt, S.; Vlemmings, W. H. T. et al. (8 more),
A&A 605, A28 (2017)

A merger in the dusty, $z = 7.5$ galaxy A1689-zD1?

Knudsen, Kirsten K.; Watson, Darach; Frayer, David et al. (5 more),
MNRAS 466, 138 (2017)

Subarcsecond imaging of the water emission in Arp 220.

König, S.; Martín, S.; Muller, S. et al. (14 more),
A&A 602, A42 (2017)

The ALMA-PILS survey: First detections of ethylene oxide, acetone and propanal toward the low-mass protostar IRAS 16293-2422.

Lykke, J. M.; Coutens, A.; Jørgensen, J. K. et al. (14 more),
A&A 597, A53 (2017)

Detection of CH⁺, SH⁺, and their ¹³C- and ³⁴S-isotopologues toward PKS 1830-211.
Muller, S.; Müller, H. S. P.; Black, J. H. et al. (13 more),
A&A 606, A109 (2017)

First detection of methanol towards a post-AGB object, HD 101584.
Olofsson, H.; Vlemmings, W. H. T.; Bergman, P. et al. (6 more),
A&A 603, L2 (2017)

The Dense Molecular Gas and Nuclear Activity in the ULIRG IRAS 13120-5453.
Privon, G. C.; Aalto, S.; Falstad, N. et al. (12 more),
ApJ 835, 213 (2017)

The circumstellar envelope around the S-type AGB star W Aql. Effects of an eccentric binary orbit.
Ramstedt, S.; Mohamed, S.; Vlemmings, W. H. T. et al. (9 more),
A&A 605, A126 (2017)

ALMA Observations of the Water Fountain Pre-planetary Nebula IRAS 16342-3814: High-velocity Bipolar Jets and an Expanding Torus.
Sahai, R.; Vlemmings, W. H. T.; Gledhill, T. et al. (4 more),
ApJL 835, L13 (2017)

The Coldest Place in the Universe: Probing the Ultra-cold Outflow and Dusty Disk in the Boomerang Nebula.
Sahai, R.; Vlemmings, W. H. T.; Nyman, L.-Å.,
ApJ 841, 110 (2017)

Resolved Structure of the Arp 220 Nuclei at $\lambda \approx 3$ mm.
Sakamoto, Kazushi; Aalto, Susanne; Barcos-Muñoz, Loreto et al. (6 more),
ApJ 849, 14 (2017)

The shock-heated atmosphere of an asymptotic giant branch star resolved by ALMA.
Vlemmings, Wouter; Khouri, Theo; O'Gorman, Eamon et al. (8 more),
Nature Astronomy 1, 848 (2017)

Magnetically aligned dust and SiO maser polarisation in the envelope of the red supergiant VY Canis Majoris.
Vlemmings, W. H. T.; Khouri, T.; Martí-Vidal, I. et al. (9 more),
A&A 603, A92 (2017)

ALMA Compact Array observations of the Fried Egg nebula. Evidence for large-scale asymmetric mass-loss from the yellow hypergiant IRAS 17163-3907.
Wallström, S. H. J.; Lagadec, E.; Muller, S. et al. (12 more),
A&A 597, A99 (2017)

Astronomy: VLBI

Publications resulting from observations with EVN and GMVA, or using JIVE.

Multi-messenger Observations of a Binary Neutron Star Merger.

Abbott B.P., Abbott R., Abbott T.D., et al. 3674 more),
ApJL 848 L12 (2017)

First multi-wavelength campaign on the gamma-ray-loud active galaxy IC 310.

M. L. Ahnen, S. Ansoldi, L. A. Antonelli, C. Arcaro, A. Babić, B. Banerjee, P. Bangale, U. Barres de Almeida, J. A. Barrio, J. Becerra González et al. (154 more),
A&A 603, A25 (2017)

Young, active radio stars in the AB Doradus moving group.

R. Azulay, J. C. Guirado, J. M. Marcaide, I. Martí-Vidal, E. Ros, E. Tognelli, F. Hormuth and J. L. Ortiz,
A&A 602, A57 (2017)

SN 1986J VLBI. III. The Central Component Becomes Dominant.

Michael F. Bietenholz and Norbert Bartel,
ApJ 839, 10 (2017)

The Disk-Driven Jet of Cygnus A.

Bia Boccardi, Thomas P. Krichbaum and Uwe Bach,
Galaxies 5(2), 22 (2017)

Radio observations of active galactic nuclei with mm-VLBI.

Boccardi, B., Krichbaum, T.P., Ros, E., Zensus, J.A.,
Astron Astrophys Rev 25: 4 (2017)

SDSSJ143244.91+301435.3 at VLBI: a compact radio galaxy in a narrow-line Seyfert 1.

A. Caccianiga, D. Dallacasa, S. Antón, L. Ballo, M. Berton, K.-H. Mack and A. Paulino-Afonso,
MNRAS 464, 1474–1480 (2017)

VLBI observations of four radio quasars at $z > 4$: blazars or not?

H.-M. Cao, S. Frey, K. É. Gabányi, Z. Paragi, J. Yang, D. Cseh, X.-Y. Hong and T. An,
Monthly Notices of the Royal Astronomical Society 467, 950–960 (2017)

3 mm GMVA Observations of Total and Polarized Emission from Blazar and Radio Galaxy Core Regions.

Carolina Casadio, Thomas P. Krichbaum, Alan P. Marscher, Svetlana G. Jorstad, José L. Gómez, Iván Agudo, Uwe Bach, Jae-Young Kim, Jeffrey A. Hodgson and Anton J. Zensus,
Galaxies 5(4), 67 (2017)

A direct localization of a fast radio burst and its host.

Chatterjee S., Law C.J., Wharton R.S., et al. (22 more),
Nature 541, 58 (2017)

A VLBI experiment using a remote atomic clock via a coherent fibre link.

Cecilia Clivati, Roberto Ambrosini, Thomas Artz, Alessandra Bertarini, Claudio Bortolotti, Matteo Frittelli, Filippo Levi, Alberto Mura, Giuseppe Maccaferri, Mauro Nanni, Monia Negusini, Federico Perini, Mauro Roma, Matteo Stagni, Massimo Zucco & Davide Calonico, Scientific Reports volume 7, Article number: 40992 (2017)

Single-dish and VLBI observations of Cygnus X-3 during the 2016 giant flare episode.

E. Egron, A. Pellizzoni, M. Giroletti, S. Righini, M. Stagni et al. (32 more), Monthly Notices of the Royal Astronomical Society 471, 2703–2714 (2017)

Recurring OH Flares towards α Ceti – I. Location and structure of the 1990s' and 2010s' events.

S. Etoaka, E. Gérard, A. M. S. Richards, D. Engels, J. Brand and T. Le Bertre, Monthly Notices of the Royal Astronomical Society 468, 1703–1716 (2017)

Physical properties and astrometry of radio-emitting brown dwarf TVLM513-46546 revisited.

Gawronski M.P., Gozdziowski K., Katarzyński K., MNRAS 466, 4211–4220 (2017)

No AGN evidence in NGC 1614 from deep radio VLBI observations.

Rubén Herrero-Illana, Antxon Alberdi, Miguel Ángel Pérez-Torres, Almudena Alonso-Herrero, Daniel González-Millán and Miguel Pereira-Santaella, MNRAS 470, L112–L116 (2017)

Location of γ -ray emission and magnetic field strengths in OJ 287.

J. A. Hodgson, T. P. Krichbaum, A. P. Marscher, S. G. Jorstad, B. Rani, I. Marti-Vidal, U. Bach, S. Sanchez, M. Bremer, M. Lindqvist et al. (12 more), A&A 597, A80 (2017)

Radio light curve of the galaxy possibly associated with FRB 150418.

S. Johnston, E. F. Keane, S. Bhandari, J.-P. Macquart, S. J. Tingay et al. (11 more), Monthly Notices of the Royal Astronomical Society 465, 2143–2150 (2017)

Fibre-optic delivery of time and frequency to VLBI station.

P. Krehlik, Ł. Buczek, J. Kołodziej et al. (18 more), A&A 603, A48 (2017)

Constraining Magnetic Field Amplification in SN Shocks Using Radio Observations of SNe 2011fe and 2014J.

E. Kundu, P. Lundqvist, M. A. Pérez-Torres, R. Herrero-Illana and A. Alberdi, ApJ 842, 17 (2017)

Probing the gravitational redshift with an Earth-orbiting satellite.

D.A. Litvinov, V. N. Rudenko, A. V. Alakoz et al. (45 more), Physics Letters A (2017)

The Repeating Fast Radio Burst FRB 121102 as Seen on Milliarcsecond Angular Scales.

B. Marcote, Z. Paragi, J. W. T. Hessels, A. Keimpema, H. J. van Langevelde, Y. Huang, C. G. Bassa, S. Bogdanov, G. C. Bower, S. Burke-Spolaor et al. (19 more), ApJL 834, L8 (2017)

Extended CH₃OH maser flare excited by a bursting massive YSO.

L. Moscadelli, A. Sanna, C. Goddi, M. C. Walmsley, R. Cesaroni, A. Caratti o Garatti, B. Stecklum, K. M. Menten and A. Kraus,
A&A 600, L8 (2017)

The 999th Swift gamma-ray burst: Some like it thermal — A multiwavelength study of GRB 151027A.

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