

Journal Publications (154 in total, 23 first author)

2019

- [] *The earliest phases of star formation in Orion B as seen by the Herschel Gould Belt survey*
Könyves V., André Ph., Arzoumanian D., ..., **Schneider N.**, 2019, A&A, submitted
- [] *Herschel HOBYS study of the earliest phases of high mass star formation in NGC6357*
Russeil D., Figuera M., Zavagno A., Motte F., **Schneider N.**, et al., 2019, A&A, submitted
- [] *How the power spectrum of dust continuum images may hide the presence of a characteristic filament width*
Roy A., André Ph., Arzoumanian D., Miville-Deschenes M.-A., Könyves V., **Schneider N.**, et al., 2019, A&A, submitted
- [154] *Characterizing the properties of nearby molecular filaments observed with Herschel*
Arzoumanian D., André Ph., Könyves V., Palmeirim P., Roy A., **Schneider N.**, et al., 2019, A&A, 621, 42
- [153] *Obscured hot stars in the direction between M16 and M17: a distant OB association around RAFGL 5475*
Cameron F., Djupvik A.A., Torra J., **Schneider N.**, Pasquali A., 2019, A&A, in press

2018

- [152] *The upGREAT dual frequency heterodyne arrays for SOFIA*
Risacher C., Güsten R., Stutzki J., ..., **Schneider N.**, et al., 2018, Journal of Astronomical Instrumentation, in press
- [151] *A new method for probing magnetic field strengths from striations in the interstellar medium*
Tritsis A., Federrath C., **Schneider N.**, Tassis K., 2018, MNRAS, 481, 5275
- [150] *A catalogue of dense cores and protostars in the Lupus complex based on Herschel Gould Belt Survey observations*
Benedettini M., Pezzuto S., Schisano E.,..., **Schneider N.**, 2018, A&A, 619, 52
- [149] *Multifractal Analysis of the Interstellar Medium. First application to Hi-GAL Observations*
Elia D., Strafella F., Dib S., **Schneider N.**, et al., 2018, MNRAS, 481, 509
- [148] *Diffuse X-ray emission in the Cygnus OB2 association*
Abacete-Colombo J.F., Drake J., Flaccomio E., ..., **Schneider N.**, et al., 2018, ApJ, in press
- [147] *Anatomy of the massive star-forming region S106: The [OI] 63 μ m line observed with upGREAT/SOFIA as a versatile diagnostic tool for the evolution of massive stars*
Schneider N., Röllig M., Simon R., et al., 2018, A&A, 617, 45
- [146] *OH absorption in the first quadrant of the Milky Way*
Rugel M., Beuther H., Bühr S.,..., **Schneider N.**, et al., 2018, A&A, 618, 159
- [145] *Clump populations in Rosette extracted by alternative algorithms: I. Gaussclumps*
Veltchev T.V., Ossenkopf V., Stanchev O., **Schneider N.**, Donkov S., Klessen, R.S., 2018, MNRAS, 475, 2215
- [144] *The ionizing source of the bipolar HII region S106: a close massive binary*
Cameron F., **Schneider N.**, Djupvik A.A., Schnugg, C. 2018, A&A, 615, A2,
- [143] *The dense cores and filamentary structure of the molecular cloud in Corona Australis: Herschel SPIRE and PACS observations from the HGBS*
Bresnahan D., Ward-Thompson D., Kirk, J.M., ..., **Schneider N.**, et al., 2018, A&A, 615, 125

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- [142] *A large scale map of mm hydrogen recombination lines around a super star cluster*
Nguyen-Luong, Q., Andreson L.D., Motte F., ...**Schneider N.**, et al., **2017**, ApJ, 844, L25
- [141] *Multitemperature mapping of dust structures throughout the Galactic Plane using the PPMAP tool with Herschel Hi-GAL data*
Marsh K.A., Whitworth A.P., Lomax O., ..., **Schneider N.**, et al., **2017**, MNRAS, 471, 2730
- [140] *Far-infrared observations of a massive cluster forming in the Monoceros R2 filament hub*
Rayner T., Griffin M.J., **Schneider N.**, et al., **2017**, A&A, 607, 22
- [139] *First detection of THz water maser in NGC7538-IRS1 with SOFIA and new 22 GHz e-MERLIN maps*
Herpin F., Baudry A., Richards A., Gray M.,**Schneider N.**, et al., **2017**, A&A, 606, 52
- [138] *The Hi-GAL compact source catalog. I. The physical properties of the clumps in the inner Galaxy*
Elia D., Molinari S., Schisano E., ... **Schneider N.**, et al., **2017**, MNRAS, 471, 100
- [137] *Testing the universality of the star formation efficiency in dense molecular gas*
Shimajiri Y., ...**Schneider N.**, et al., **2017**, A&A, 604, 74
- [136] *Star formation towards the Galactic HII region RCW120*
Figueira M., Zavagno A., Deharveng L., Russeil D., Anderson L.D., Mens'chikov A., **Schneider N.**, et al., **2017**, A&A, 600, 93
- [135] *Herschel observations of the Galactic HII region RCW79*
Liu H.-L., Figueira M., Zavagno A., Hill T., **Schneider N.**, et al., **2017**, A&A, 602, 95
- [134] *The massive cores in NGC6334: the Herschel-HOBYS view*
Tigé J., Motte F., Russeil D., Zavagno, A., Hennemann, M., **Schneider N.**, et al., **2017**, A&A, 602, 77
- [133] *Globules and Pillars in Cygnus X*
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- [132] *The scaling relations and star formations laws of ministarburst complexes*
Nguyen-Luong Q., Nguyen H.V.V., Motte F., **Schneider N.**, et al., **2016**, ApJ, 833, 23
- [131] *The HI/OH/Recombination Line survey of the inner milky way: Survey overview and data release 1*
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- [130] *SiO tracing extended low-velocity shocks: Case study of the W43-MM1 ridge*
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- [129] *The JCMT Gould Belt survey: evidence for dust grain evolution in Perseus star-forming clumps*
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- [128] *Characterizing filaments in regions of high-mass star formation: high resolution submm imaging of the massive star-forming region complex NGC6334 with Artemis*
André Ph., Revéret V., et al., **Schneider N.**, **2016**, A&A, 592, 54
- [127] *Photoevaporation and close encounters: how the environment affects the evolution of protoplanetary disks in Cygnus OB2*
Guarcello M.G., ..., **Schneider N.**, et al., **2016**, A&A, in press, astro-ph: 16050.1773

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- [125] *On the reliability of observational measurements of column density probability distribution functions*
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- [124] *Filamentary structure and magnetic field orientation in Musca*
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- [123] *Hi-GAL, the Herschel infrared Galactic Plane Survey: photometric maps and compact source catalogues*
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- [122] *A census of dense cores in the Taurus L1495 cloud from the Herschel Gould Belt Survey*
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- [121] *NGC6334 and NGC6357: H α kinematics and the nature of the HII regions*
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- [120] *Understanding star formation in molecular clouds*
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- [119] *Red supergiants and the past of Cygnus OB2*
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- [118] *The ATLASGAL survey - distribution of cold dust in the Galactic plane*
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- [117] *SOFIA/FORCAST observations of warm dust in S106: a fragmented environment*
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- [116] *Possible link between the power spectrum of interstellar filaments and the origin of the prestellar core mass function*, Roy A., André Ph., Arzoumanian D.,..., **Schneider N.**, et al., **2015**, A&A, 584, 111
- [115] *Detection of two power-law tails in the probability distribution functions of massive GMCs*
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- [114] *Herschel observations of the W3 GMC (II): Clues to the formation of clusters of high-mass stars*
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- [113] *Filaments in the Lupus molecular clouds*
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- [112] *A census of dense cores in the Aquila cloud complex: SPIRE/PACS observations from the Herschel Gould Belt survey*
Könyves V., André Ph., Men'shchikov A., ..., **Schneider N.**, et al., **2015**, A&A, 584, 91
- [111] *Mon R2 HII regions structure and age puzzled out by Herschel*
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- [110] *THOR - The HI, OH, recombination line survey of the Milky Way*
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- [92] *Large scale CO-observations in the giant molecular cloud complex W43*
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- [91] *Low-velocity shocks along the W43 ridges: witnessing the formation of a young massive cluster*
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- [83] *The Herschel view of the massive star forming region NGC6334*
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