Journal Publications (188 in total, 24 first author)

2022

[] *Ammonia characterization of dense cores in the Rosette Molecular Cloud*
Bogner, R., Csengeri, T., Montillaud, J., Wienen, M., **Schneider, N.**, Toth, L.V., **2022**, A&A, submitted

[] *A Herschel view of the young, cold and quiescent giant molecular filament G214.5-1.8*
Clarke S.D., ..., **Schneider N.**, et al., **2022**, MNRAS, in revision

[] *[OI] fine structure line profiles in Mon R2 and M17 SW: the puzzling nature of cold foreground material identified by [^{12}CII] self-absorption*
Guevara C., Stutzki J., Ossenkopf-Okada V., Graf U., Okada Y., **Schneider N.**, et al., **2022**, A&A, in prep.

[] *SOFIA FEEDBACK survey: PDR diagnostics of stellar feedback in different regions of RCW 49*
Tiwari, M., et al., **Schneider N.**, et al., **2022**, ApJ, submitted

[] *CARMA-NRO Orion Survey: C^{18}O (J=1-0) Core Catalog and Core Mass Functions in Orion A*
Takemura, H., Nakamura, F., Arce, H. G., Kong,S., **Schneider N.**, et al., **2022**, ApJ, submitted

[] *The extended population associated with W40*
Comeron F., Djupvik, A.A., **Schneider N.**, **2022**, A&A, submitted, arxiv:22030.7634

[] *Understanding star formation in molecular clouds*
IV. The column density structure of quiescent to massive star-forming clouds
Schneider N., et al., **2021**, A&A, in revision

[] *The SOFIA FEEDBACK Legacy Survey Dynamics and mass ejection in the bipolar HII region RCW36*
Bonne, L., **Schneider N.**, Garcia, P., et al., **2022**, ApJ, in revision

[] *A new phase of massive star formation? A luminous outflow cavity centred on an infrared quiet core*
Bonne L., Perreto N., ..., **Schneider N.**, et al., **2022**, A&A, in revision

[188] *Star formation in two irradiated globules around Cygnus OB2*
Comeron F., **Schneider N.**, Djupvik, A.A., **2022**, A&A, in press, arxiv:22030.7641

[187] *FEEDBACK from the NGC7538 HII region*
Beuther H., **Schneider N.**, Simon R., et al., **2022**, A&A, 659, 77

[186] *Self-absorption in CII, ^{12}CO and HI in RCW120*
Kabanovic S., **Schneider N.**, Ossenkopf-Okada V., et al., **2022**, A&A, 659, 36

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[185] *The Maggie filament: Physical properties of a giant atomic cloud*
Syed J., Soler J.D., Beuther H., ..., **Schneider N.**, **2021**, A&A, 657, 1

[184] *Globules and Pillars in Cygnus X*
III. Herschel and upGREAT/SOFIA far-infrared spectroscopy of the globule IRAS 20319+3958 in Cygnus X
Schneider N., Röllig M., Polehampton E.T., et al., **2021**, A&A, 653, 108

[183] *SOFIA FEEDBACK survey: exploring the dynamics of the stellar wind driven shell of RCW 49*
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[182] *Description of turbulent dynamics in the ISM: multifractal/microcanonical analysis.*
Part 1: application to Musca Herschel observation map (cover page)
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[181] *Stellar feedback and triggered star formation in the prototypical bubble RCW 120*
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[180] *Mass segregation and sequential star formation in NGC2264 revealed by Herschel*
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[179] *The SEDIGISM survey: first data release and overview of the Galactic structure*
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[177] *Formation of the Musca filament: evidence for asymmetries in the accretion flow due to a cloud-cloud collision*
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[176] *The historical record of massive star formation in Cygnus*
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[175] *The history of dynamics and stellar feedback revealed by the HI filamentary structure in the disk of the Milky Way*
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[174] *The structure and characteristic scales of molecular clouds*
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[173] *Herschel Gould Belt Survey Observations of Dense Cores in the Cepheus Flare Clouds*
Di Francesco, J., Keown, J., Fallscheer, C., ..., **Schneider N.**, et al., **2020**, ApJ, 904, 172

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[170] *Dense gas in a Giant Molecular Filament*
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[169] *Dense gas formation in the Musca filament by dissipating a supersonic converging flow*
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[168] *The SEDIGISM survey: Molecular clouds in the inner Galaxy*
Duarte-Cabral A., Colombo D., Urquhart J.S., ..., **Schneider N.**, et al., **2020**, MNRAS, 500, 3027

[167] *The role of Galactic HII regions in the formation of filaments*
High-resolution submilimeter imaging of RCW 120 with ArTeMiS
Zavagno A., Andre Ph., Schuller F., ..., **Schneider N.**, et al.,, **2020**, A&A, 638, L7

[166] *The Herschel view of the dense core population in the Ophiuchus molecular cloud*
Ladjelate B., Andre Ph., Koenyves V., ..., **Schneider N.**, et al., **2020**, A&A, 638, 74

[165] *Cloud formation in the atomic and molecular phase: HI self absorption (HISA) in the THOR survey*
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[164] *Properties of the dense core population in Orion B as seen by the Herschel Gould Belt survey*
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Keown J., Di Francesco J., Rosolowsky E., ..., **Schneider N.**, et al., **2019**, ApJ, 884, 4

[161] *On the extraction of power-law parts of the probability density functions in star-forming clouds*
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[158] *Dynamics of cluster-forming hub-filament systems: The case of the high-mass star-forming complex Monoceros R2*
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