

Journal Publications (133 in total, 22 first author)

2017

- [] *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, submitted
- [] *Herschel observations of the Galactic HII region RCW79*
Liu H.-L., Figueira M., Zavagno A., **Schneider N.**, et al., **2017**, A&A, submitted
- [] *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**, A&A submitted
- [] *The massive cores in NGC6334: the Herschel-HOBYS view*
Tigé J., Motte F., Russeil D., Hennemann, M., **Schneider N.**, et al., **2017**, A&A, submitted
- [133] *Globules and Pillars in Cygnus X*
II. Massive star formation in the globule IRAS 20319+3958
Djupvik, A.A., Comerón, F., **Schneider N.**, **2017**, A&A, in press, Astro-ph: 16120.0687

2016

- [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*
Beuther H., Bühr S., Rugel M., ... **Schneider N.**, **2016**, A&A, 595, 32
- [130] *SiO tracing extended low-velocity shocks: Case study of the W43-MM1 ridge*
Louvét F., Motte F., Gusdorf A., et al., **Schneider N.**, **2016**, A&A, 595, 122
- [129] *The JCMT Gould Belt survey: evidence for dust grain evolution in Perseus star-forming clumps*
Chen M.C., Di Francesco J., Johnstone D.,... **Schneider N.**, et al. **2016**, ApJ, 826, 95
- [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
- [126] *Globules and Pillars in Cygnus X: I. FIR-imaging of the Cyg OB2 environment*
Schneider N., Bontemps S., Motte F., et al., **2016**, A&A, 591, 40 (cover page)
- [125] *On the reliability of observational measurements of column density probability distribution functions*
Ossenkopf-Okada V., Csengeri T., **Schneider N.**, Federrath C., Klessen R., **2016**, A&A, 590, 104
- [124] *Filamentary structure and magnetic field orientation in Musca*
Cox N., Arzoumanian D., André Ph., ..., **Schneider N.**, et al., **2016**, A&A, 590, 110
- [123] *Hi-GAL, the Herschel infrared Galactic Plane Survey: photometric maps and compact source catalogues*
Molinari, S., Schisano E., Elia D., ... **Schneider N.**, et al., **2016**, A&A, 591, 149
- [122] *A census of dense cores in the Taurus L1495 cloud from the Herschel Gould Belt Survey*
Marsh K.A., Kirk J.M., André Ph., ,... **Schneider N.**, et al., **2016**, MNRAS, 459, 342

[121] *NGC6334 and NGC6357: H α kinematics and the nature of the HII regions*
Russeil D., Tigé J., Adami, C., Anderson, L.D., **Schneider N.**, et al., **2016**, A&A, 587, 135

[120] *Understanding star formation in molecular clouds*
III. Probability distribution functions of molecular lines in Cygnus X
Schneider N., Bontemps S., Motte F., et al., **2016**, A&A, 587, 74

[119] *Red supergiants and the past of Cygnus OB2*
Comeron F., Djupvik A.A., **Schneider N.**, Pasquali A., **2016**, A&A, 586, 46

[118] *The ATLASGAL survey - distribution of cold dust in the Galactic plane*
Combination with Planck data
Csengeri, T., Weiss A., Wyrowski F., et al., **Schneider N.**, **2016**, A&A, 585, 104

2015

[117] *SOFIA/FORCAST observations of warm dust in S106: a fragmented environment*
Adams J.D., Herter T., Hora J., **Schneider N.**, et al., **2015**, ApJ, 814, 54

[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*
Schneider N., Bontemps S., Girichidis P., et al., **2015**, MNRAS Letters, 453, L41

[114] *Herschel observations of the W3 GMC (II): Clues to the formation of clusters of high-mass stars*
Rivera-Ingraham A., Martin P.G., Polychroni D., **Schneider N.**, Motte F., et al., **2015**, ApJ, 809, 81

[113] *Filaments in the Lupus molecular clouds*
Benedettini M., Schisano E., Pezzuto S., ..., **Schneider N.**, et al., **2015**, MNRAS, 453, 2036

[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*
Didelon P., ..., **Schneider N.**, et al., **2015**, A&A, 584, 4

[110] *THOR - The HI, OH, recombination line survey of the Milky Way*
The pilot study - HI observations of the giant molecular cloud W43
Bühr S., Beuther H., Ott J., ..., **Schneider N.**, et al., **2015**, A&A, 580, 112

[109] *Understanding star formation in molecular clouds*
II. Signatures of gravitational collapse of IRDCs
Schneider N., Csengeri T., Klessen R.S., et al., **2015**, A&A, 578, 29

[108] *Understanding star formation in molecular clouds*
I. Effects of contamination on the column density structure
Schneider N., Ossenkopf V., Csengeri T., et al., **2015**, A&A, 575, 79

[107] *First detection of CF⁺ towards a high-mass protostar*
Fechtenbaum S., Bontemps S., **Schneider N.**, et al., **2015**, A&A Letter, 574, L4

2014

- [106] *SiO emission from low- and high-velocity shocks in Cygnus-X massive dense clumps*
Duarte-Cabral A., Bontemps S., Motte F., Gusdorf A., Csengeri T., **Schneider N.**, Louvet F., **2014**, A&A, 570, 1
- [105] *Class 0 protostellar fraction and environment in the Perseus Molecular Cloud*
Sadavoy S., Di Francesco J., André Ph., ..., **Schneider N.**, et al., **2014**, ApJ, 787, L18
- [104] *Age, size, and position of HII regions in the Galaxy*
Tremblin P., ..., **Schneider N.**, et al., **2014**, A&A, 568, 4
- [103] *The IRAM M33 CO(2-1) survey: a complete census of molecular gas out to 7 kpc*
Druard C., Braine J., Schuster K., **Schneider N.**, et al., **2014**, A&A, 567, 118
- [102] *Herschel's view of the large-scale structure in the Chamaeleon dark clouds*
Alves de Oliveira S., **Schneider N.**, et al. **2014**, A&A, 568, 98
- [101] *Properties of starless and prestellar cores in Taurus*
Marsh K.A., Griffin M., ... **Schneider N.**, **2014**, MNRAS, 439, 3683
- [100] *Characterizing the structure of diffuse emission in Hi-GAL maps*
Elia D., Strafella F., **Schneider N.**, et al., **2014**, ApJ, 788, 3
- [99] *The formation of the W43 complex: constraining its atomic-to-molecular transition and searching for colliding clouds*
Motte F., Nguyen-Luong Q., **Schneider N.**, et al., **2014**, A&A, 571, 32
- [98] *A Herschel and BIMA study of the sequential star formation near the W48A HII region*
Rygl K.L.J., ... **Schneider N.**, **2014**, MNRAS, 440, 427
- [97] *The dependence of protostellar luminosity on stellar density in the Cygnus X star-forming complex*
Kryukova E., Megeath T., Hora J., ..., **Schneider N.**, **2014**, AJ, 148, 11
- [96] *The impact of compression by ionization on the density structure of molecular clouds*
Tremblin P., **Schneider N.**, Minier V., et al., **2014**, A&A, 564, 106
- [95] *Reconstructing the density and temperature structure of prestellar cores from Herschel data: a case study for B68 and L1689B*
Roy A., André P., Palmeirim P., Attard M., Könyves V., **Schneider N.**, et al. **2014**, A&A, 562, 138

2013

- [94] *MALT90: The Millimetre Astronomy Legacy Team 90 GHz survey*
Jackson, J.M., ... **Schneider N.** as part of consortium, **2013**, PASA, 30, 57
- [93] *CO outflows from high-mass Class 0 protostars in Cygnus X*
Duarte-Cabral A., Bontemps S., ..., **Schneider N.**, et al., **2013**, A&A, 558, 125
- [92] *Large scale CO-observations in the giant molecular cloud complex W43*
Carlhoff P., Schilke P., Nguyen-Luong Q., Motte, F., **Schneider N.**, et al., **2013**, A&A, 560, 24
- [91] *Low-velocity shocks along the W43 ridges: witnessing the formation of a young massive cluster*
Nguyen-Luong Q., Motte, F., ..., **Schneider N.**, et al., **2013**, ApJ, 775, 88
- [90] *Two mass distributions in the L1641 molecular clouds: the Herschel connection of dense cores and filaments in Orion A*
Polychroni D., ... **Schneider N.**, **2013**, ApJ, 777, L33
- [89] *Pillars and globules at the edges of HII-regions*
Tremblin P., Minier V., **Schneider N.**, et al., **2013**, A&A, 560, 19

- [88] *The first Hi-GAL observations of the outer Galaxy*
Elia D., Molinari S., Fukui F., ..., **Schneider N.**, **2013**, ApJ, 772, 45
- [87] *Young stellar clusters in the Rosette molecular cloud*
Cambrésy L., Marton G., Feher O., Toth V., **Schneider N.**, et al., **2013**, A&A, 557, 29
- [86] *Herschel reveals massive cold clumps in NGC7538*
Fallscheer C., ... **Schneider N.**, **2013**, ApJ, 773, 102
- [85] *Global collapse of molecular clouds as a formation mechanism for the most massive stars*
Peretto N., Fuller G.A.,..., **Schneider N.**, et al., **2013**, A&A, 555, 112
- [84] *First results from the Herschel Gould Belt survey in Taurus*
Kirk J., ...**Schneider N.**, **2013**, MNRAS, 432, 1424
- [83] *The Herschel view of the massive star forming region NGC6334*
Russeil D., **Schneider N.**, et al., **2013**, A&A, 554, 42
- [82] *Constraining dust properties in the Perseus B1 Clump with PACS, SPIRE, and SCUBA-2*
Sadavoy S., ...**Schneider N.**, **2013**, ApJ, 767, 126
- [81] *What determines the density structure of molecular clouds ? A case study of Orion B*
Schneider N., André Ph., Könyves V., et al., **2013**, ApJ Letters, 766, L17
- [80] *Herschel observations of the W3 GMC: Clues to the formation of clusters of high-mass stars*
Rivera-Ingraham A., Martin P.G., Polychroni D., Motte F., **Schneider N.**, et al., **2013**, ApJ, 766, 85
- [79] *The impact of a high-mass star cluster on a molecular ridge*
Minier V., Tremblin P., Hill T., Motte F., André P., Lo N., **Schneider N.**, et al. **2013**, A&A, 550, 50
- [78] *Changes of dust opacity with density in the Orion A molecular cloud*
Roy A., ...**Schneider N.**, **2013**, ApJ, 763, 55
- [77] *Evidence for the growth of the Taurus B211 filament based on Herschel observations*
Palmeirim P., André P., Kirk, J., Ward-Thompson, D., Arzoumanian, D., Könyves, V., Didelon, P., **Schneider N.**, et al., **2013**, A&A, 550, 38
- [76] *Recent star formation in the Lupus clouds*
Rygl K.L.J., ...**Schneider N.**, **2013**, A&A, 549, L1

2012

- [75] *Resolving the Vela C ridge with P-ArTeMiS and Herschel*
Hill T., André Ph., Arzoumanian D., ...**Schneider N.**, et al., **2012**, A&A, 548, 6
- [74] *World wide site comparison for submm astronomy*
Tremblin P., **Schneider N.**, Minier V., Durand G. Al., Urban J., **2012**, A&A, 548, 65
- [73] *Herschel observations of B1-bS and B1-bN*
Pezzutto S., ...**Schneider N.**, **2012**, A&A, 547, 54
- [72] *The spine of the swan: A Herschel study of the Cygnus X DR21 ridge and subfilaments*
Hennemann M., Motte F., **Schneider N.**, et al., **2012**, A&A Letters, 543, L3
- [71] *The Pipe nebula as seen with Herschel*
Peretto N., André P., Könyves V., **Schneider N.**, et al., **2012**, A&A, 541, 63
- [70] *Globules and pillars seen in the [CII] 158 μ m line with SOFIA*
Schneider N., Güsten R., Tremblin P., et al., **2012**, A&A Letters, 542, L18

- [69] *Ionized atomic carbon and high-J CO spectral lines in S106*
Simon R., **Schneider N.**, Stutzki, J., et al., **2012**, A&A Letters 542, L12
- [68] *3D simulations of pillar formation around HII regions: turbulence and shock curvature*
Tremblin P., Audit E., Minier V., Schmidt W., **Schneider N.**, **2012**, A&A, 546, 33
- [67] *A multi-scale, multi-wavelength source extraction method: getsources*
Men'shchikov A., André P., Didelon P., Motte F., Hennemann M., **Schneider N.**, **2012**, A&A, 542, 81
- [66] *Cluster-formation in the Rosette molecular cloud at the junctions of filaments*
Schneider N., Csengeri T., Hennemann M., et al., **2012**, A&A Letters, 540, L11
- [65] *M16 under the influence of NGC6611: Herschel's perspective of the heating effect on the Eagle Nebula*
Hill T., Motte F., Didelon P., White G.J., Marston A.,...**Schneider N.**, et al. **2012**, A&A, 542, 114
- [64] *The Herschel view of the on-going star formation in the Vela-C molecular cloud*
Giannini T., Elia D., Lorenzetti D.,...**Schneider N.**, **2012**,
A&A, 539, 156
- [63] *Herschel observations of a potential core-forming clump: Perseus B1-E*
Sadavoy S., Di Francesco J., André P.,...**Schneider N.**, **2012**, A&A, 540, 10
- [62] *Statistical study of OB stars in NGC 6334 and NGC 6357*
Russeil D., Zavagno A., et al., **Schneider N.**, **2012**, A&A, 538, 142
- [61] *3D simulations of pillar formation around HII regions: the importance of shock curvature*
Tremblin P., Audit E., Minier V., **Schneider N.**, **2012**, A&A, 538, 31

2011

- [60] *Site testing for submillimetre astronomy at Dome C in Antarctica*
Tremblin P., Minier V., **Schneider N.**, et al., **2011**, A&A, 535, 112
- [59] *A Herschel view of massive star formation in G035.3-0.3: a dense and cold filament of W48 undergoing a starburst ?*
Ngyuen-Luong Q., Motte F., Hennemann M., Hill T., Rygl K., **Schneider N.**, et al., **2011**, A&A, 535, 76
- [58] *Filaments and ridges in Vela C revealed by Herschel: from low-mass to high-mass star-forming sites*
Hill T., Motte F., Didelon P., Bontemps S., Minier V., Hennemann M., **Schneider N.**, et al.,
2011, A&A, 533, 94
- [57] *The early evolution of massive dense cores: flows of N_2H^+ gas in the DR21(OH) clump*
Csengeri T., Bontemps S., **Schneider N.**, Motte F., **2011**, ApJ 740, L5
- [56] *The link between molecular cloud structure and turbulence*
Schneider N., Bontemps S., Simon R., et al., **2011**, A&A, 529, 1 (cover page)
- [55] *Characterizing interstellar filaments with Herschel in IC5146*
Arzoumanian D., André P., Didelon P., Könyves V., **Schneider N.**, et al., **2011**, A&A, 529, L6
- [54] *W43, the closest molecular complex of the Galactic Bar*
Nguyen-Luong Q., Motte F., Schuller F., **Schneider N.**, et al., **2011**, A&A, 529, 41
- [53] *Gas dynamics in massive dense cores in Cygnus X*
Csengeri T., Bontemps S., **Schneider N.**, Motte F., **2011**, A&A, 527, 135

2010

- [52] *Discovery of an extremely bright submm galaxy at $z=3.93$*
Lestrade J.F., Combes F., Salome P., Omont A., Bertoldi F., André P., **Schneider N.**, **2010**, A&A Letter, 522, L4
- [51] *Status of SPIRE photometer data processing pipelines*
Dowell D., et al., **Schneider N.** as part of consortium, **2010**, SPIE 7731, 101
- [50] *A Spitzer view of Star Formation in the Cygnus X North Complex*
Beerer I., Koenig X., Hora J., Gutermuth R., Bontemps S., Megeath T., **Schneider N.**, et al., **2010**, ApJ 720, 679
- [49] *Herschel-SPIRE observations of the Polaris flare: structure of the diffuse ISM at the sub-pc scale*
Miville-Deschenes M.-A., et al., **Schneider N.**, **2010**, A&A, 518, L104
- [48] *Galactic cold cores: Herschel study of first Planck detections*
Juvela M., et al., **Schneider N.** as part of consortium, **2010**, A&A, 518, L93
- [47] *The Herschel-SPIRE instrument and its In-Flight Performance*
Griffin M., et al., **Schneider N.**, **2010**, A&A, 518, L3
- [46] *Herschel observations of the W43 mini-starburst*
Bally J., et al., **Schneider N.**, **2010**, A&A, 518, L90
- [45] *Cirrus, Clouds, Filaments and Protopostars: the Hi-GAL Milky Way with Herschel*
Molinari S., et al., **Schneider N.** as part of consortium, **2010**, A&A, 518, L100
- [44] *Herschel-SPIRE spectroscopy of the DR21 Molecular Cloud Core*
White G., et al., **Schneider N.**, **2010**, A&A, 518, L114
- [43] *A Herschel study of the properties of starless cores in the Polaris Flare dark cloud region using PACS and SPIRE*
Ward-Thompson D., Kirk J., André P., Didelon P., Könyves V., **Schneider N.**, et al., **2010**, A&A, 518, L92
- [42] *HIFI observations of warm gas in DR21: Shock versus radiative heating*
Ossenkopf V., Röllig M., Simon R., **Schneider N.**, et al., **2010**, A&A, 518, L79
- [41] *The Herschel first look on protostars in the Aquila Rift complex*
Bontemps S., André P., Könyves V., Men'shchikov A., **Schneider N.**, et al., **2010**, A&A, 518, L85
- [40] *The prestellar core population in the Aquila Rift complex*
Könyves V., André P., Men'shchikov A., **Schneider N.**, et al., **2010**, A&A, 518, L106
- [39] *Initial highlights from the Herschel Gould Belt survey*
André P., Men'shchikov A., Bontemps S., Könyves V., Motte F., **Schneider N.**, et al., **2010**, A&A, 518, L102
- [38] *Filamentary structures and compact objects in the Aquila and Polaris clouds observed by Herschel*
Men'shchikov A., André P., Didelon P., Könyves V., **Schneider N.**, et al., **2010**, A&A, 518, L103
- [37] *Herschel observations of embedded protostellar clusters in the Rosette Molecular Cloud*
Hennemann, M., Motte F., Bontemps S., **Schneider N.**, et al., **2010**, A&A, 518, L84
- [36] *HOBYS: An analysis of small-scale structure in the Rosette Molecular Cloud obtained with Herschel*
Di Francesco, J., Sadavoy S., Motte F., **Schneider N.**, et al., **2010**, A&A, 518, L91
- [35] *Initial highlights of the Herschel key program HOBYS*
Motte F., Zavagno A., Bontemps S., **Schneider N.**, et al., **2010**, A&A, 518, L77
- [34] *The Herschel view of star formation in the Rosette Molecular Cloud under the influence of NGC2244*
Schneider N., Motte F., Bontemps S., et al., **2010**, A&A, 518, L83

[33] *Dynamic star formation in the DR21 filament*

Schneider N., Csengeri T., Bontemps S., Motte F., Simon R., Hennebelle P., Federrath C., Klessen R., **2010**, A&A, 520, 49

[32] *The earliest phases of high-mass star formation: the NGC6334-NGC 6357 complexes*

Russeil D., Zavagno A., Motte F., **Schneider N.**, Bontemps S., Walsh A.J., **2010**, A&A, 515, 55

[31] *Circumstellar structure around evolved stars in the Cygnus-X star formation region*

Kraemer K., et al., **Schneider N.**, **2010**, ApJ, 139, 2319

[30] *Fragmentation and mass segregation in the massive dense cores of Cygnus X*

Bontemps S., Motte F., Csengeri T., **Schneider N.**, **2010**, A&A, 524, 18

2009

[29] *ATLASGAL - The APEX Telescope Large Area Survey of the Galaxy at 870 μm*

Schuller F., Menten K., Contreras Y., et al., **Schneider N.**, **2009**, A&A, 504, 415

[28] *Potential of radiotelescopes for atmospheric line observations:*

Observation principles and transmission curves for selected sites

Schneider N., Urban J., Baron P., **2009**, Planetary & Space Science, Vol. 57, Issue 12, p.1419-1433

[27] *First 450 μm dust continuum mapping of the massive star-forming region NGC 3576 with the P-ArTeMiS camera*

André P., et al., **Schneider N.**, **2009**, A&A, 490, L27

2008

[26] *Star Formation and Young Clusters in Cygnus*

Reipurth B., **Schneider N.**, **2008**, Handbook of Star Forming Regions, Vol. I, ASP Publ., Ed. B. Reipurth, p.36

[25] *S106*

Hodapp K., **Schneider N.**, **2008**, Handbook of Star Forming Regions, Vol. I, ASP Publ., Ed. B. Reipurth, p.106

[24] *The Molecular Environment of the Gamma-Ray Source TeV J2032+4130*

Butt Y., **Schneider N.**, Dame T., Brunt C., **2008**, ApJ, 676, L123

2007

[23] *A multiwavelength study of the S106 region: III. The S106 molecular cloud as part of the Cygnus X cloud complex*

Schneider N., Simon R., Bontemps S., Comeron F., Motte F., **2007**, A&A, 474, 873

[22] *The earliest phases of high-mass star formation: a 3 square degree millimeter continuum mapping of Cygnus X*

Motte F., Bontemps S., Schilke P., **Schneider N.**, Menten K., Brogière D., **2007**, A&A, 476, 1243

[21] *A close look at the heart of RCW 108*

Comeron, F., **Schneider, N.**, **2007**, A&A, 473, 194

[20] *The cooling of atomic and molecular gas in DR21*

Jakob, H., Kramer, C., Simon, R., **Schneider, N.**, et al., **2007**, A&A, 461, 999

2006

[19] *ArTeMiS: filled bolometer arrays for next generation submm telescopes*
Talvard, M., et al., **Schneider N.**, et al., **2006**, SPIE 6275, p.2

[18] *A new view of the Cygnus X region: KOSMA $^{13}\text{CO } 2\rightarrow 1$ imaging*
Schneider N., Bontemps S., Simon R., et al., **2006**, A&A, 855, 871

[17] *Long-term evolution of upper stratospheric ozone*
Steinbrecht, W., et al., **Schneider N.**, **2006**, J. Geophys. Research, 111, D10308

2005

[16] *Sulphur Chemistry and molecular Shocks: the case of NGC1333-IRAS2*
Wakelam V., Ceccarelli C., Castets A., Loinard L., **Schneider N.**, **2005**, A&A, 437, 149

[15] *Taking up long-term stratospheric Observations with RAMAS at Summit/Greenland*
Golchert S., Buschmann N., Kleindienst A., Palm M., Künzi K., **Schneider N.**, et al., **2005**, IEEE trans.

[14] *Triggered star formation in RCW 108 ?*
Comeron F., **Schneider N.**, Russeil D., **2005**, A&A, 433, 3

[13] *Seasonal and Diurnal Ozone Variations: Observations and Modelling*
Schneider N., Selsis F., Urban J., Lezeaux O., Ricaud P., de La Noë J.P. **2005**, Journal of Atmospheric Chemistry, Vol. 50, Nr. 1, p.25-47

2004

[12] *The Bias of Clump identification Programs: The Example of the Carina Cloud*
Schneider N., Brooks K.J., **2004**, PASA, 21, 290

[11] *Moliere (v5): A Versatile forward- and inversion Model for the millimeter and sub-millimeter wavelength range*
Urban J., Baron P., Lautie N., **Schneider N.**, et al., **2004**, J. of quant. spect. and radiative transfer 83, 529-554

[10] *Emission of CO, CI and CII in W3 Main*
Kramer C., Jakob H., Mookerjea B., **Schneider N.**, **2004**, A&A, 424, 887

2003

[9] *The Trumpler 14 Photodissociation Region in the Carina Nebula*
Brooks K.J., Cox P., **Schneider N.**, Storey J., Poglitsch A., Geis N., **2003**, A&A 412, 751

[8] *Validation of Ground-Based strato-mesospheric Ozone Observations*
Schneider N., Lezeaux O., de La Noë J., Urban J., Ricaud P., **2003**, J. Geophys. Res., Vol. 108, No. D17, 4540

[7] *A multi-wavelength study of the S106 Region: II. Characteristics of the Photon Dominated Region*
Schneider N., Simon R., Kramer C., et al., **2003**, A&A, 406, 915

2002

[6] *A multi-wavelength study of the S106 Region: I. Molecular line observations*
Schneider N., Simon R., Kramer C., Stutzki J., Bontemps S., **2002**, A&A, 384, 255

2000

[5] *Search for Extraterrestrial Origin of Atmospheric Trace Molecules - Radio Sub-MM Observations during the Leonids*

Despois D., Ricaud P., Lautié N., **Schneider N.**, et al., **2000**, Earth, Moon, and Planets, v. 82/83, p. 129-140

1998

[4] *The Rosette Molecular Complex : II. [CII]-observations*

Schneider N., Stutzki J., Winnewisser G., Poglitsch A., Madden S., **1998**, A&A, 338, 262

[3] *The Rosette Molecular Complex : I. CO-observations*

Schneider N., Stutzki J., Winnewisser G., Block D., **1998**, A&A 335, 1049

1996

[2] *The Nature of molecular line wing Emission in the Rosette Molecular Cloud*

Schneider N., Stutzki J., Blitz L., Winnewisser G., **1996**, ApJ, 468, L119

1993

[1] *Detection of interstellar C¹⁵N*

Saleck A., Simon R., **Schneider N.**, **1993**, ApJ 414, L133

Other Publications

[P67] *Two Mass Distributions in the L 1641 Molecular Clouds*

Polychroni D., Schisano E., Elia D.,... **Schneider N.**, et al., **2013**, Protostars and Planets VI, Heidelberg, Poster 1S044

[P66] *A Herschel Look to Star Formation in the Third Galactic Quadrant*

Elia D., Molinari S., Fukui Y., ... **Schneider N.**, et al., **2013**, Protostars and Planets VI, Heidelberg, Poster 1S028

[P65] *A worldwide comparison of the best sites for submillimetre astronomy*

Tremblin P., **Schneider N.**, Minier V., Durand G., Urban J., **2013** Astrophysics from Antarctica, Proceedings of the IAU Symposium, Vol. 288, pp. 29-33

[P64] *Extreme Star Formation in the Massive Young Cluster Westerlund 1*

Hora J., et al., **Schneider N.**, **2012**, Spitzer Proposal ID 90187

[P63] *The HOBYS Key Program: When Herschel links high-mass star formation to cloud structure*

Motte F., Bontemps S., Hennemann M., Nguyen Luong Q., **Schneider N.**, Didelon P. Zavagno, A., **2012**, SF2A-2012: Proceedings of the Annual meeting of the French Society of Astronomy and Astrophysics. Eds.: S. Boissier, et al., pp.45-50

[P62] *From the filamentary structure of the ISM to prestellar cores to the stellar IMF*

Andre P., Men'shchikov A., Konyves V., **Schneider N.**, **2012**, Proceedings of the symposium "From Atoms to Pebbles: Herschel's view of Star and Planet Formation", held in Grenoble, France, Eds.: J.-C. Augereau

[P61] *Characterizing interstellar filaments with Herschel in nearby molecular clouds*

Arzoumanian D., Andre P., Peretto N., Konyves V., **Schneider N.**, **2012**, Proceedings of the symposium

"From Atoms to Pebbles: Herschel's view of Star and Planet Formation", held in Grenoble, France, Eds.: J.-C. Augereau

[P60] *Infrared dark clouds in the Cygnus-X region*

Hora J., et al., **Schneider N.**, 2012, AAS, 21934116

[P59] *Star formation in the Rosette molecular cloud under the influence of NGC 2244*

Schneider N., et al., 2011, EAS Publications Series, Vol. 52, pp.305

[P58] *ATLASGAL: the APEX Telescope Large Area Survey of the Galaxy*

Wyrowski F., ...**Schneider N.**, et al., 2011, EAS Publications Series, Vol. 52, pp.3 129

[P57] *Numerical Methods to Study Triggered Star Formation Around HII Regions*

Tremblin P., Audit E., Minier M., **Schneider N.** 2011, ASPC, 444, 87

[P56] *RCW 108: Star formation in a Nearby Troubled Environment*

Comeron F., **Schneider N.**, 2011, ASPC, 440, 47

[P55] *Global collapse of the DR21 filament*

Schneider N., Csengeri T., Bontemps S., et al., 2011, IAUS, 280, 90

[P54] *DR21(OH) - a high-mass star cluster in formation*

Bontemps S., Csengeri T., Herpin F., **Schneider N.**, et al., 2011, IAUS, 280, 100

[P53] *Fragmentation and dynamics in Massive Dense Cores in Cygnus-X*

Csengeri T., Bontemps S., **Schneider N.**, 2011, IAUS, 270, 53

[P52] *Massive Star Formation in the Cygnus-X Region*

Segura-Cox D., ...**Schneider N.**, et al., 2011, AAS, 217, 340.13

[P51] *Initial highlights of HOBYS*

Hill T., Motte F., Bontemps A., Zavagno A., **Schneider, N.**, Hennemann M., di Francesco J., 2010, Sf2A, Marseille

[P50] *The APEX Telescope Large Area Survey of the Galaxy (ATLASGAL)*

Schuller F., et al., **Schneider, N.**, 2010, The Messenger, vol. 141, p.20

[P49] *Dome C: the best accessible site on Earth for submm astronomy*

Tremblin P., **Schneider, N.**, Minier V., et al., 2010, EAS Publ. Series, Vol. 40, p. 333

[P48] *Atmospheric transmission at Dome C between 0 and 10 THz*

Schneider, N., Minier V., et al., 2010, EAS Publ. Series, Vol. 40, p. 327

[P47] *The Antarctic Submillimetre Telescope*

Minier V., et al., **Schneider, N.**, 2010, EAS Publ. Series, Vol. 40, p. 269

[P46] *Circumstellar Structure Around Evolved Stars in the Cygnus-X Spitzer Legacy Survey Region*

Kraemer K.E., Price S., Hora J., Adams J., Allen L., Bontemps S., Carey S., **Schneider, N.**, 2009, AAS, 21349105

[P45] *The Spitzer Survey of Cygnus-X and Infrared Dark Clouds*

Hora J.L., Bontemps S., Megeath S.T., **Schneider, N.**, Motte F., 2009, AAS, 21335601

[P44] *Massive star formation in NGC6334-NGC6357 preliminary results*

Russeil D., Zavagno A., Motte F., Bontemps S., **Schneider N.**, 2008, SF2A, 285

[P43] *Massive Infrared-Quiet Dense Cores: Unveiling the Initial Conditions of High-Mass Star Formation*

Motte F., Bontemps S., **Schneider N.**, Schilke P., Menten K.M., 2008, ASP Conference Series, Vol. 387, p.22

- [P42] *Submm/FIR Astronomy in Antarctica: Potential for a large telescope facility*
Minier V., Olmi L., Lagage P.-O., **Schneider N.**, et al. **2008**, EAS Publications Series, Volume 33, 2008, pp.21
- [P41] *The PDR structure of the Monoceros Ridge in the Rosette Molecular Cloud*
Simon R., **Schneider N.**, Kramer C., et al., **2008**, EAS Publications Series, Volume 31, 2008, pp.205
- [P40] *High Mass Star Forming Gas in Cygnus X: The Molecular and Spitzer View of the DR21 Region*
Simon R., **Schneider N.**, Bontemps S., Brunt C., Motte F. **2006**, ASPC, 357, 153
- [P39] *Surveys for OB protostars*
Bontemps S., Motte F., **Schneider N.**, Herpin, F., **2005**, SF2A, 287
- [P38] *The earliest phases of massive star formation within entire molecular cloud complexes*
Motte F., Bontemps S., Schilke P., Lis D.C., **Schneider N.**, Menten K.M, **2005**, Proc. IAU 227, Cambridge Univ. Press, p. 151
- [P37] *Surveys for OB protostars*
Bontemps, S., Motte, F., **Schneider N.**, Herpin, F., **2005**, SF2A-2005, EdP-Sciences, Conference Series p. 287.
- [P36] *The Cygnus X region in molecular lines*
Simon R., **Schneider N.**, Bontemps S., Motte F., **2005**, Spitzer: New Views of the Cosmos, Conference proceedings
- [P35] *The Physical and Chemical Structure of Galactic Photon Dominated Regions*
Kramer C., Jakob H., Mookerjea B., **Schneider N.**, Stutzki, J., **2004**, ANS, 325, 24
- [P34] *Commissioning of the new ground-based microwave Radiometer RAMAS at SUMMIT*
Golchert S., Buschmann N., Kleindienst A., Palm M., Künzi K., Notholt J., de la Noë J., **Schneider N.**, et al., **2004**, Proc. of Microrad Rome
- [P33] *Survey for the earliest phases of the Formation of OB stars and clusters*
Bontemps S., Motte, F., **Schneider N.**, **2004**, SF2A-2004, EdP-Sciences, Conference Series p. 272
- [P32] *A large-scale, unbiased Survey of the high-mass star forming molecular Gas in Cygnus X*
Schneider N., Bontemps S., Simon R., Motte F., **2004**, SF2A-2004, EdP-Sciences, Conference Series, p.133
- [P31] *Multi-Wavelength Surveys of Galactic Star Forming Regions*
Simon R., **Schneider N.**, Bontemps, S., et al., **2004**, ASPC, 317, 97
- [P30] *Survey for High-Mass Protostars in Cygnus X*
Bontemps S., Motte F., Schneider N., Schilke, P., **2004**, Proceedings of the 4th Zermatt Symposium, Springer proceedings in physics, Vol. 91., p.623
- [P29] *CII, CI, and CO in the Massive Star Forming Region W3 Main*
Kramer C., Jakob H., Mookerjea B., **Schneider N.**, **2004**, Proc. of the 4th Zermatt Symp., Springer proc. in physics, Vol. 91., p.217
- [P28] *The Carbon Content in the Galactic CygnusX/DR21 Star Forming Region*
Jakob H., Simon R., Kramer C., Mookerjea B., **Schneider N.**, et al., **2004**, Proc. of the 4th Zermatt Symposium, Springer proc. in physics, Vol. 91., p.233
- [P27] *Radiospectroscopical Search for Molecule Delivery*
Despois D., Ricaud P., **Schneider N.**, et al., **2003**, SF2A-2003: EdP-Sciences, Conference Series, p. 69
- [P26] *Validation of Ground-Based strato-mesospheric Ozone Observations*,
Schneider N., Lezeaux O., de La Noë J., Urban J., Ricaud P., **2003**, EGS'03, Nice, March 2003

- [P25] *The Earliest Stages of high-mass Star Formation: a complete Survey of Cygnus X*
Bontemps S., Motte F., **Schneider N.**, Schilke P., **2003**, SF2A-2003, EdP-Sciences, Conference Series, p. 78
- [P24] *Preliminary Results and Validation of Measurements from the Submm Radiometer aboard the Odin Satellite*
Ricaud P., El Amraoui L., de La Noë J., Urban J., Lautie N., Le Flochmoen E., Dupuy E., **Schneider N.** et al., **2002**, AGU, Spring Meeting 2002, SA31A-07
- [P23] *A Composite Ozone Profile from 0 to 70 km at mid-latitudes*
Schneider N., de La Noë J., Calisesi Y., **2001**, NDSC 2001, Arcachon, France, 2001
- [P22] *Long-term trends in strato-mesospheric Ozone*
Schneider N., Calisesi Y., Lezeaux O., de La Noë J., **2001**, EGS'01, Nice, March 2001
- [P21] *Retrieval of stratospheric Water Vapor Profiles*
Urban J., de La Noë J., Raffalski U., Ricaud P., **Schneider N.**, **2001**, EGS'01, Nice, March 2001
- [P19] *Millimeter and Submm OTF-mapping of S106*
Schneider N., Kramer C., Simon R., **2000**, Imaging at Radio through Submillimeter Wavelengths. Edited by J. Mangum, ASP Conf. Proceedings, Vol. 217, Series 2000
- [P18] *IRAM 30m and KOSMA OTF-mapping in CO and DCO⁺ of a star-forming dense core in the Serpens cloud*
Bontemps S., **Schneider N.**, André P., Kaas A.A., **2000**, Imaging at Radio through Submm. Ed. J. Mangum, ASP Conf. Proceedings, Vol. 217, Series 2000
- [P17] *A multi-wavelength Study of the S106 PDR*
Schneider N., Kramer C., Simon R., **2000**, ESP Conference Proceedings, SP-445, p.511
- [P16] *Submm- and FIR-observations of the S106 PDR,*
Schneider N., Simon R., Kramer C., Stutzki J., Winnewisser G., **1999**, Proc. of the 3. Zermatt conference, Eds.: V. Ossenkopf, J. Stutzki, and G. Winnewisser
- [P15] *Submm- and FIR-observations of S106*
Schneider N., Kramer C., Simon R., Stutzki J., Winnewisser G., **1999**, The Universe as Seen by ISO. Eds. P. Cox, M. Kessler. ESA-SP 427
- [P14] *The Rosette Molecular Complex: CO- and [CII]-observations*
Schneider N., **1998**, Star Formation with the ISO, Eds.: J. Yun, R. Liseau, ASP Conf. Series., Vol. 132
- [P13] *The new KOSMA 3m Telescope*
Kramer C., Degiacomi C., Graf U., Hills R., Miller M., Schieder R., **Schneider N.**, et al., **1998** SPIE International Symposium on astronomical Telescopes and Instrumentation, Kona/Hawaii
- [P12] *CO- and [CII]-observations in the Rosette Molecular Complex*
Schneider N., Stutzki J., Winnewisser G., **1996**, Proceedings of the 170th IAU Symposium Tucson 1995
- [P11] *Strukturanalyse des Rosette Molekülwolkenkomplexes*
Schneider N., **1995**, PhD Thesis, University of Cologne
- [P10] *Photon Dominated Regions: Observation and Theory*
Köster B., **Schneider N.**, Störzer H., Stutzki J., **1995**, YERAC, Ed. D.A. Green, W. Steffen, Cambridge Univ. Press
- [P9] *Observations of Interstellar CN, ¹³CN and C¹⁵N*
Simon R., Saleck A., **Schneider N.**, et al., **1995**, Lecture Notes in Physics, Vol. 459, 1995
- [P8] *Large Scale Submm-CO and FIR [CII] observations of the Rosette Molecular Complex and S140/L1204*
Schneider N., Stutzki J., Block D., Winnewisser G., **1995**, Lecture Notes in Physics, Vol. 459

[P7] *The new (Continuum-backend) COBAC*

Schneider N., Simon R., **1994**, Technical Report Nr. 5, University of Cologne

[P6] *A correction method for 30m error beam pick-up in large spectral line maps*

Schneider N., Stutzki J., **1994**, IRAM Newsletter No.15

[P5] *Extended [CII] 158 microns mapping of the S140 and Rosette Molecular Cloud Regions*

Stutzki J., **Schneider N.**, Madden S., **1993**, AAS Meeting, 182, 34.09

[P4] *Atomic Carbon in S140*

Krause D., Johnen C., **Schneider N.**, Stutzki J., **1992**, Abstract Ser. No.7, p.43, AG

[P3] *Low density/Low UV Molecular cloud Regions*

Schneider N., Krause D., Johnen C., **1992**, Abstract Ser. No.7, p.82, AG

[P2] *The KOSMA 3m radiotelescope*

Schneider N., Stutzki J., Winnewisser G., **1992**, CTS Workshop No.1, Cambridge Univ. Press, Lindblad P.O. (Eds.)

[P1] *CO-Messungen in der Cygnus Region*

Schneider N., **1990**, Diploma Thesis, University of Cologne