

Publications[†]

Dariusz (Darek) C. Lis

1. *A Direct Measurement of the Total Gas Column Density in Orion KL*. R. Plume, E.A. Bergin, T.G. Phillips, D.C. Lis, S. Wang, N.R. Crockett, E. Caux, C. Comito, P.F. Goldsmith, and P. Schilke, *Ap. J.*, submitted (2011).[†]
2. *Discovery of Water Vapor in the High-Redshift Quasar APM 08279+5255 at $z=3.91$* . D. C. Lis, D. A. Neufeld, T. G., Phillips, M. Gerin, and R. Neri, *Ap. J. Letters*, in press, arXiv:1106.4784 (2011).[†]
3. *Herschel Observations of Molecular Oxygen in Orion*. P.F. Goldsmith, R. Liseau, T. Bell, J.-H. Chen, M. Kaufman, D. Li, D.C. Lis, G. Melnick, D. Neufeld, et al., *Ap. J.*, in press (2011).[†]
4. *Submillimeter Continuum Observations of Sagittarius B2 at Subarcsecond Spatial Resolution*. S.-L. Qin, P. Schilke, R. Roloffs, C. Comito, D.C. Lis, and Q. Zhang, *A&A Letters*, **530**, L9 (2011).[†]
5. *Herschel/HIFI Observations of Hydrogen Fluoride toward Sagittarius B2(M)*. R.R. Monje, M. Emprechtinger, T.G. Phillips, D.C. Lis, P.F. Goldsmith, T.A. Bell, E.A. Bergin, D.A. Neufeld, and P. Sonnentrucker, *Ap. J. Letters*, **734**, L23 (2011).[†]
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9. *Herschel Observations of Extra-Ordinary Sources: Methanol as a Probe of Physical Conditions in Orion KL*. S. Wang, E.A. Bergin, N.R. Crockett, P.F. Goldsmith, D.C. Lis, et al., *A&A*, **527**, 95 (2011).[†]
10. *Water in Star-Forming Regions with the Herschel Space Observatory (WISH): Overview of Key Program and First Results*. E.F. van Dishoeck, L.E. Kristensen, et al., *PASP*, **123**, 138–170 (2011).[†]
11. *A Comprehensive Survey of Hydrogen Chloride in the Galaxy*. R. Peng, H. Yoshida, R.A. Chamberlin, T.G. Phillips, D.C. Lis, and M. Gerin, *Ap. J.*, **723**, 218–228 (2010).[†]
12. *Nitrogen Hydrides in the Cold Envelope of IRAS16293-2422*. P. Hily-Blant, S. Maret, A. Bacmann, S. Bottinelli, B. Parise, et al., *A&A*, **521**, L52 (2010).[†]
13. *Water Production in comet 81P/Wild 2 as Determined by Herschel/HIFI*. M. de Val-Borro, P. Hartogh, J. Crovisier, D. Bockelée-Morvan, N. Biver, D.C. Lis, et al., *A&A Letters*, **521**, L50 (2010).[†]
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17. *Reversal of Infall in Sgr B2(M) Revealed by Herschel/HIFI Observations of HCN Lines at THz Frequencies.* R. Rolffs, P. Schilke, C. Comito, E.A. Bergin, F.F.S. van der Tak, D.C. Lis, et al., *A&A Letters*, **521**, L46 (2010). †
18. *Nitrogen Hydrides in Interstellar Gas. Herschel/HIFI Observations towards G10.6-0.4 (W31C).* C.M. Persson, J.H. Black, J. Cernicharo, J.R. Goicoechea, G.E. Hassel, et al., *A&A Letters*, **521**, L45 (2010). †
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24. *The Methanol Lines and Hot Core of OMC2-FIR4, an Intermediate-Mass Protostar, with Herschel-HIFI.* M. Kama, C. Dominik, S. Maret, F.F.S. van der Tak, E. Caux, et al. *A&A Letters*, **521**, L39 (2010). †
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32. *Ortho-to-Para Ratio of Interstellar Heavy Water.* C. Vastel, C. Ceccarelli, E. Caux, A. Coutens, J. Cernicharo, et al., *A&A Letters*, **521**, L31 (2010). †
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38. *Herschel Spectral Surveys of Star Forming Regions – Overview of the 555–636 GHz Range.* C. Ceccarelli, A. Bacmann, A. Boogert, E. Caux, B. Lefloch, D.C. Lis, et al., *A&A Letters*, **521**, L22 (2010). †
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