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BIOGRAPHICAL:

- Nationality: the Netherlands
- Languages: Dutch, English, French, German

DEGREES:

- Ph. D. in Astrophysics, March 1999; Kapteyn Astronomical Institute, University of Groningen, NL
“*The Interplay between Dust, Gas, Ice and Protostars*” with Prof. Dr. A. G. G. M. Tielens
- M. S. in Astrophysics: June 1994; Kapteyn Astronomical Institute, University of Groningen, NL
“*Compact HII Regions in the Magellanic Clouds*” with Dr. Th. van der Hulst

PROFESSIONAL HISTORY:

- Feb 2007–present: Research Scientist, NASA Herschel Science Center
Institution: California Institute of Technology, Infrared Processing and Analysis Center, Pasadena, CA, USA
- Dec 2005–Feb 2007: Assistant Astronomer (tenure track)
Institution: NOAO Gemini Science Center, La Serena, Chile
- Jan 2002–Dec 2005: Senior Postdoctoral Scholar in Astronomy
Institution: California Institute of Technology, Owens Valley Radio Observatory, Pasadena, CA, USA
Sponsor: Prof. Dr. G. A. Blake
- Jan 1999–Jan 2002: Postdoctoral Scholar in Physics
Institution: California Institute of Technology, Caltech Sub-millimeter Observatory, Pasadena, CA, USA
Sponsor: Prof. Dr. T. G. Phillips

SCIENTIFIC INTERESTS:

- Evolution of molecular abundances, *in the solid and gas phase*, from quiescent molecular clouds to circumstellar disks and planetary systems
- The structure and evolution of envelopes and hot cores around high mass protostars
- The structure and chemistry of circumstellar disks
- Interstellar chemistry, isotope ratios, and the application of solid state laboratory astrophysics

PUBLICATIONS:

- 58 publications in refereed scientific journals; see attached list.

TECHNICAL SKILLS:

- Expert in analysis of low and high resolution infrared and (sub)-millimeter ground and space-based spectra of gas and solid state molecular transitions
- Interaction with laboratory astrophysics groups; analysis and modeling of interstellar ice analogs
- Experienced programmer in IDL language, including development and testing software for reducing ISO-SWS, Spitzer-IRS, and Keck-NIRSPEC infrared 1D and 2D echelle spectra

OBSERVATIONAL EXPERIENCE:

- principal investigator of mid-infrared and (sub-)millimeter spectroscopy programs at the following facilities: *Keck II* (R=25,000 3-5 μm spectroscopy, ~ 30 nights), *CSO* (200-850 GHz spectroscopy, ~ 75 nights incl. observer support), *ISO satellite* (R=200-2,000 2-45 μm spectroscopy, 2 proposals), *Spitzer satellite* (R=100-700 5-35 μm spectroscopy, 1 proposal), *Gemini* (R=60,000 3-5 μm spectroscopy, 2 nights), *UKIRT* (R=1,200 4.7 μm spectroscopy, 4 nights), *Palomar 200''* (R=100 10 μm spectroscopy, 5 nights), *NRAO-12M* (100 GHz spectroscopy, 8 nights), *JCMT* (200-400 GHz spectroscopy, ~ 15 nights), and *OVRO* (100 GHz spectroscopy, ~ 20 tracks)
- IR and optical queue observing at the 8 meter Gemini-South telescope
- Operation of the Caltech Sub-millimeter Observatory, including receiver tuning, trouble shooting etc.
- Managing of large ISO and Spitzer satellite guaranteed time programs on protostellar objects
- Observer support Gemini mid-IR instruments, sub-mm single dish (CSO) and millimeter array (OVRO) telescopes

PRESENTATIONS AND COLLOQUIA (SELECTION):

- Symposium “The Spitzer Space Telescope: New Views of the Cosmos”, Pasadena, USA, November 2004.
Contributed talk: “*Spitzer Spectroscopy of Ices: From Molecular Cores to Planet-Forming Disks*”
- ESO Workshop “High Resolution Infrared Spectroscopy in Astronomy”, Garching, Germany, November 2003.
Invited talk: “*High Resolution 3-5 μm Keck/NIRSPEC Spectra of Protostars*”
- Symposium “Astrophysics of Dust”, Estes Park, CO, USA, May 2003. **Invited talk:** “*Observations of Interstellar Ices*”
- IAU-General Assembly, JD1 on “Atomic and molecular data for astrophysics new developments, case studies and future needs”, Manchester (UK), August 2000. **Invited talk:** “*Infrared Observations of Interstellar Ices – Laboratory Needs*”
- Colloquia and Lunch Talks: Joint Astronomy Center, Hilo (HI, USA), Université Joseph Fourier, Grenoble (France), Astronomy and Physics Departments, Caltech, Pasadena (CA, USA), Astrophysics Group Jet Propulsion Laboratory, Pasadena (CA, USA), Toledo University (OH, USA), STScI, Baltimore (MD, USA)

PROFESSIONAL ACTIVITIES:

- Referee of papers *Astrophysical Journal Letters* and *Astronomy and Astrophysics*
- Member NASA’s Laboratory Astrophysics panel
- External reviewer NASA’s Exobiology/Evolutionary Biology panel
- Proposal review for Owens Valley Millimeter Array and United Kingdom Infrared Telescope
- Technical reviewer mid-IR observing proposals Gemini observatory
- Caltech infrared/sub-millimeter group lunch talk organizer

TEACHING EXPERIENCE:

- Two invited lectures on interstellar ices at the University of Hawaii astrobiology school “Water on Earth and in Space” (January 2005)
- Composing and teaching of exercises on “*Interstellar Matter*” at the universities of Amsterdam and Groningen
- Teaching of space and ground-based data reduction and analysis techniques to many visitors, undergraduate, and graduate students at Caltech and the Netherlands Organization of Space Research

FUNDING AWARDS:

- May 2005: Spitzer Space Telescope General Observers Program “*Molecular Composition and Chemistry of Isolated Dense Cores*”. P.I.: **A. C. A. Boogert**. Award \$101,300.
- May 2004: Spitzer Space Telescope General Observers Program “*Spectroscopy of Spitzer-discovered Protostars in the Elephant Trunk Nebula*”. P.I.: W. Reach. Award \$50,300.
- May 2004: Spitzer Space Telescope General Observers Program “*Solid State Chemistry in Dense Clouds Along Quiescent Lines of Sight*”. P.I.: Y. Pendleton. Award \$117,000.

REFERENCES:

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Publications in Refereed Journals

58. *The c2d Spitzer Spectroscopic Survey of Ices around Low-Mass Young Stellar Objects. III. CH₄*
—K. I. Öberg, **A. C. A. Boogert**, K. M. Pontoppidan, G. A. Blake, N. J. Evans II, F. Lahuis, & E. F. van Dishoeck, 2008, ApJ 678, 1032
57. *The c2d Spitzer Spectroscopic Survey of Ices around Low-Mass Young Stellar Objects. II. CO₂*
—K. M. Pontoppidan, **A. C. A. Boogert**, H. J. Fraser, E. F. van Dishoeck, G. A. Blake, F. Lahuis, K. I. Öberg, N. J. Evans II, & C. Salyk, 2008, ApJ 678, 1005
56. *The c2d Spitzer Spectroscopic Survey of Ices around Low-Mass Young Stellar Objects. I. H₂O and the 5-8 μ m Bands*
—**A. C. A. Boogert**, K. M. Pontoppidan, C. Knez, F. Lahuis, J. Kessler-Silacci, E. F. van Dishoeck, G. A. Blake, J.-C. Augereau, S. E. Bisschop, S. Bottinelli, T. Y. Brooke, J. Brown, A. Crapsi, N. J. Evans II, H. J. Fraser, V. Geers, T. L. Huard, J. K. Jørgensen, K. I. Öberg, L. E. Allen, P. M. Harvey, D. W. Koerner, L. G. Mundy, D. L. Padgett, A. I. Sargent, & K. R. Stapelfeldt, 2008, ApJ 678, 985
55. *The Relationship between the Optical Depth of the 9.7 μ m Silicate Absorption Feature and Infrared Differential Extinction in Dense Clouds*
—J. E. Chiar, K. Ennico, Y. J. Pendleton, **A. C. A. Boogert**, T. Greene, C. Knez, C. Lada, T. Roellig, A. G. G. M. Tielens, M. Werner, & D. C. B. Whittet, 2007, ApJ 666, 73
54. *Cold Disks: Spitzer Spectroscopy of Disks around Young Stars with Large Gaps*
—J. M. Brown, G. A. Blake, C. P. Dullemond, B. Merin, J.-C. Augereau, **A. C. A. Boogert**, N. J. Evans II, V. C. Geers, F. Lahuis, J. E. Kessler-Silacci, K. M. Pontoppidan, & E. F. van Dishoeck, 2007, ApJ 664, 107
53. *Infrared Spectroscopy of HCOOH in Interstellar Ice Analogues*
—S. E. Bisschop, G. W. Fuchs, **A. C. A. Boogert**, E. F. van Dishoeck, & H. Linnartz, 2007, A&A 470, 749
52. *Abundant Crystalline Silicates in the Disk of a Very Low Mass Star*
—B. Merin, J.-C. Augereau, E. F. van Dishoeck, J. Kessler-Silacci, C. P. Dullemond, G. A. Blake, F. Lahuis, J. M. Brown, V. C. Geers, K. M. Pontoppidan, F. Comerón, A. Frasca, S. Guieu, J. M. Alcalá, **A. C. A. Boogert**, N. J. Evans II, P. D'Alessio, L. G. Mundy, & N. Chapman, 2007, ApJ 661, 361
51. *Modeling Spitzer Observations of VV Ser. I. The Circumstellar Disk of a UX Orionis Star*
—K. M. Pontoppidan, C. P. Dullemond, G. A. Blake, **A. C. A. Boogert**, E. F. van Dishoeck, N. J. Evans II, J. Kessler-Silacci, & F. Lahuis, 2007, ApJ 656, 980
50. *Molecular Gas in the Inner 1 AU of the TW Hya and GM Aur Transitional Disks*
—C. Salyk, G. A. Blake, **A. C. A. Boogert**, & J. M. Brown, 2007, ApJ 655, 105
49. *Effects of CO₂ on H₂O Band Profiles and Band Strengths in Mixed H₂O:CO₂ Ices*
—K. I. Öberg, H. J. Fraser, **A. C. A. Boogert**, S. E. Bisschop, G. W. Fuchs, E. F. van Dishoeck, H. Linnartz, 2007, A&A 462, 1187
48. *The Spitzer c2d Survey of Nearby Dense Cores. IV. Revealing the Embedded Cluster in B59*
—T. Y. Brooke, T. L. Huard, T. L. Bourke, **A. C. A. Boogert**, L. E. Allen, G. A. Blake, N. J. Evans II, P. M. Harvey, D. W. Koerner, L. G. Mundy, P. C. Myers, D. L. Padgett, A. I. Sargent, K. R. Stapelfeldt, E. F. van Dishoeck, N. Chapman, L. Cieza, M. M. Dunham, S.-P. Lai, A. Porras, W. Spiesman, P. J. Teuben, C. H. Young, Z. Wahhaj, & C. W. Lee, 2007, ApJ 655, 364

47. *C2D Spitzer-IRS Spectra of Disks around T Tauri Stars. II. PAH Emission Features*
—V. C. Geers, J.-C. Augereau, K. M. Pontoppidan, C. P. Dullemond, R. Visser, J. E. Kessler-Silacci, N. J. Evans II, E. F. van Dishoeck, G. A. Blake, **A. C. A. Boogert**, J. M. Brown, F. Lahuis, & B. Merin, 2006, *A&A* 459, 545
46. *c2d Spitzer IRS Spectra of Disks around T Tauri Stars. I. Silicate Emission and Grain Growth*
—J. Kessler-Silacci, J.-C. Augereau, C. P. Dullemond, V. Geers, F. Lahuis, N. J. Evans II, E. F. van Dishoeck, G. A. Blake, **A. C. A. Boogert**, J. Brown, J. K. Jørgensen, C. Knez, & K. M. Pontoppidan, 2006, *ApJ* 639, 275
45. *Hot Organic Molecules toward a Young Low-Mass Star: A Look at Inner Disk Chemistry*
—F. Lahuis, E. F. van Dishoeck, **A. C. A. Boogert**, K. M. Pontoppidan, G. A. Blake, C. P. Dullemond, N. J. Evans II, M. R. Hogerheijde, J. K. Jørgensen, J. E. Kessler-Silacci, & C. Knez, 2006, *ApJL* 636, 145
44. *Spitzer Mid-Infrared Spectroscopy of Ices toward Extincted Background Stars*
—C. Knez, **A. C. A. Boogert**, K. M. Pontoppidan, J. Kessler-Silacci, E. F. van Dishoeck, N. J. Evans II, J.-C. Augereau, G. A. Blake, & F. Lahuis, 2005, *ApJL* 635, 145
43. *Protostellar Holes: Spitzer Space Telescope Observations of the Protostellar Binary IRAS 16293-2422*
—J. K. Jørgensen, F. Lahuis, F. L. Schöier, E. F. van Dishoeck, G. A. Blake, **A. C. A. Boogert**, C. P. Dullemond, N. J. Evans II, J. E. Kessler-Silacci, & K. M. Pontoppidan, 2005, *ApJL* 631, 77
42. *Ices in the Edge-on Disk CRBR 2422.8-3423: Spitzer Spectroscopy and Monte Carlo Radiative Transfer Modeling*
—K. M. Pontoppidan, C. P. Dullemond, E. F. van Dishoeck, G. A. Blake, **A. C. A. Boogert**, N. J. Evans II, J. E. Kessler-Silacci, & F. Lahuis, 2005, *ApJ*, 622, 463
41. *The Prominent Dust Emission Feature Near 8.9 μm in Four H II Regions*
—E. Peeters, A. G. G. M. Tielens, **A. C. A. Boogert**, T. L. Hayward, & L. J. Allamandola, 2005, *ApJ*, 620, 774
40. *Methane Abundance Variations toward the Massive Protostar NGC 7538 : IRS9*
—**A. C. A. Boogert**, G. A. Blake, & K. Öberg, 2004, *ApJ* 615, 344
39. *Spitzer Space Telescope Spectroscopy of Ices toward Low Mass Embedded Protostars*
—**A. C. A. Boogert**, K. M. Pontoppidan, F. Lahuis, J. K. Jørgensen, J.-C. Augereau, G. A. Blake, T. Y. Brooke, J. M. Brown, C. P. Dullemond, N. J. Evans II, V. Geers, M. R. Hogerheijde, J. E. Kessler-Silacci, C. Knez, P. Morris, A. Noriega-Crespo, F. L. Schöier, E. F. van Dishoeck, L. E. Allen, P. M. Harvey, D. W. Koerner, L. G. Mundy, P. C. Myers, D. L. Padgett, A. I. Sargent, & K. R. Stapelfeldt, 2004, *ApJS* 154, 359
38. *A New Look at Stellar Outflows: Spitzer Observations of the HH 46/47 System*
—A. Noriega-Crespo, P. Morris, F. R. Marleau, S. Carey, **A. C. A. Boogert**, E. van Dishoeck, N. J. Evans II, J. Keene, J. Muzerolle, K. Stapelfeldt, K. Pontoppidan, P. Lowrance, L. Allen, & T. L. Bourke, 2004, *ApJS* 154, 352
37. *High-Resolution 4.7 μm Keck/NIRSPEC Spectroscopy of the CO Emission from the Disks Surrounding Herbig Ae Stars.*
—G. A. Blake, & **A. C. A. Boogert**, 2004, *ApJL* 606, 73
36. *Interstellar Ice: The Infrared Space Observatory Legacy.*
—E. L. Gibb, D. C. B. Whittet, **A. C. A. Boogert**, & A. G. G. M. Tielens, 2004, *ApJS* 151, 35
35. *Observational Tests for Grain Chemistry: Posterior Isotopic Labelling.*
—S. B. Charnley, P. Ehrenfreund, T. J. Millar, **A. C. A. Boogert**, A. J. Markwick, H. M. Butner, R. Ruitkamp, & S. D. Rodgers, 2004, *MNRAS* 347, 157

34. *A 3–5 μm VLT Spectroscopic Survey of Embedded Young Low Mass Stars I. Structure of the CO Ice.*
—K. M. Pontoppidan, H. J. Fraser, E. Dartois, W.-F. Thi, E. F. van Dishoeck, **A. C. A. Boogert**, L. d’Hendecourt, A. G. G. M. Tielens, & S. E. Bisschop, 2003, *A&A* 408, 981
33. *From Molecular Cores to Planet-forming Disks: An SIRTf Legacy Program.*
—N. J. Evans, II, L. E. Allen, G. A. Blake, **A. C. A. Boogert**, T. Bourke, P. M. Harvey, J. E. Kessler, D. W. Koerner, C. W. Lee, L. G. Mundy, P. C. Myers, D. L. Padgett, K. Pontoppidan, A. I. Sargent, K. R. Stapelfeldt, E. F. van Dishoeck, C. H. Young, & K. E. Young, 2003, *PASP* 115, 965
32. *Submm/FIR CO Line Emission from the Disk of the Class I Protostar EL 29.*
—C. Ceccarelli, **A. C. A. Boogert**, A. G. G. M. Tielens, E. Caux, M. R. Hogerheijde, & B. Parise, 2002, *A&A* 395, 863
31. *High-Resolution 4.7 μm Keck/NIRSPEC Spectra of Protostars. II. Detection of the ^{13}CO Isotope in Icy Grain Mantles.*
—**A. C. A. Boogert**, G. A. Blake, & A. G. G. M. Tielens, 2002, *ApJ* 577, 271
30. *The Environment and Nature of the Class I Protostar Elias 29: Molecular Gas Observations and the Location of Ices.*
—**A. C. A. Boogert**, M. R. Hogerheijde, C. Ceccarelli, A. G. G. M. Tielens, E. F. van Dishoeck, G. A. Blake, W. B. Latter, & F. Motte, 2002, *ApJ* 570, 708
29. *High-Resolution 4.7 μm Keck/NIRSPEC Spectra of Protostars. I. Ices and Infalling Gas in the Disk of L1489 IRS.*
—**A. C. A. Boogert**, M. R. Hogerheijde, & G. A. Blake, 2002, *ApJ* 568, 761
28. *The Puzzling Detection of D_2CO in the Molecular Cloud L1689N.*
—C. Ceccarelli, C. Vastel, A. G. G. M. Tielens, A. Castets, **A. C. A. Boogert**, L. Loinard, & E. Caux, 2002, *A&A* 381, 17
27. *Bands of Solid CO_2 in the 2–3 μm Spectrum of S 140 : IRS1.*
—J. V. Keane, **A. C. A. Boogert**, A. G. G. M. Tielens, P. Ehrenfreund, & W. A. Schutte, 2001, *A&A* 375, 43
26. *Observational Constraints on the Abundance and Evolution of “XCN” in Interstellar Grain Mantles.*
—D. C. B. Whittet, Y. J. Pendleton, E. L. Gibb, **A. C. A. Boogert**, J. E. Chiar, & A. Nummelin, 2001, *ApJ* 550, 793
25. *Ice Absorption Features in the 5–8 μm Region toward Embedded Protostars.*
—J. V. Keane, A. G. G. M. Tielens, **A. C. A. Boogert**, W. A. Schutte, & D. C. B. Whittet, 2001, *A&A* 376, 254
24. *Infrared Observations of Hot Gas and Cold Ice toward the Low Mass Protostar Elias 29.*
—**A. C. A. Boogert**, A. G. G. M. Tielens, C. Ceccarelli, A. M. S. Boonman, E. F. van Dishoeck, J. V. Keane, D. C. B. Whittet, & Th. de Graauw, 2000, *A&A* 360, 683
23. *The Composition and Distribution of Dust along the Line of Sight toward the Galactic Center.*
—J. E. Chiar, A. G. G. M. Tielens, D. C. B. Whittet, W. A. Schutte, **A. C. A. Boogert**, D. Lutz, E. F. van Dishoeck, & M. P. Bernstein, 2000, *ApJ* 537, 749
22. *An Inventory of Interstellar Ices toward the Embedded Protostar W 33A.*
—E. L. Gibb, D. C. B. Whittet, W. A. Schutte, **A. C. A. Boogert**, J. E. Chiar, P. Ehrenfreund, P. A. Gerakines, J. V. Keane, A. G. G. M. Tielens, E. F. van Dishoeck, & O. Kerkhof, 2000, *ApJ* 536, 347

21. *ISO-SWS Observations of Interstellar Solid $^{13}\text{CO}_2$: Heated Ice and the Galactic $^{12}\text{C}/^{13}\text{C}$ Abundance Ratio.*
—A. C. A. Boogert, P. Ehrenfreund, P. A. Gerakines, A. G. G. M. Tielens, D. C. B. Whittet, W. A. Schutte, E. F. van Dishoeck, Th. de Graauw, L. Decin, & T. Prusti, 2000, *A&A* 353, 349
20. *Laboratory Studies of Thermally Processed $\text{H}_2\text{O}-\text{CH}_3\text{OH}-\text{CO}_2$ Ice Mixtures and their Astrophysical Implications.*
—P. Ehrenfreund, O. Kerkhof, W. A. Schutte, A. C. A. Boogert, P. A. Gerakines, E. Dartois, L. d’Hendecourt, A. G. G. M. Tielens, E. F. van Dishoeck, & D. C. B. Whittet, 1999, *A&A* 350, 240
19. *Observations of Solid Carbon Dioxide in Molecular Clouds with the Infrared Space Observatory.*
—P. A. Gerakines, D. C. B. Whittet, P. Ehrenfreund, A. C. A. Boogert, A. G. G. M. Tielens, W. A. Schutte, J. E. Chiar, E. F. van Dishoeck, T. Prusti, F. P. Helmich, & Th. de Graauw, 1999, *ApJ* 522, 357
18. *Constraints on the Abundance of Solid O_2 in Dense Clouds from ISO-SWS and Ground-based Observations.*
—B. Vandenbussche, P. Ehrenfreund, A. C. A. Boogert, E. F. van Dishoeck, W. A. Schutte, P. A. Gerakines, J. Chiar, A. G. G. M. Tielens, J. Keane, D. C. B. Whittet, M. Breitfellner, & M. Burgdorf, 1999, *A&A* 346, 57
17. *Weak Ice Absorption Features at 7.24 and 7.41 μm in the Spectrum of the Obscured Young Stellar Object W 33A.*
—W. A. Schutte, A. C. A. Boogert, A. G. G. M. Tielens, D. C. B. Whittet, P. A. Gerakines, J. E. Chiar, P. Ehrenfreund, J. M. Greenberg, E. F. van Dishoeck, & Th. de Graauw, 1999, *A&A* 343, 966
16. *The Gas/Solid Methane Abundance Ratio toward Deeply Embedded Protostars.*
—A. C. A. Boogert, F. P. Helmich, E. F. van Dishoeck, W. A. Schutte, A. G. G. M. Tielens, & D. C. B. Whittet, 1998, *A&A* 336, 352
15. *ISO-SWS Observations of Infrared Absorption Bands of the Diffuse Interstellar Medium: The 6.2 μm Feature of Aromatic Compounds.*
—W. A. Schutte, K. A. van der Hucht, D. C. B. Whittet, P. W. Morris, A. C. A. Boogert, A. G. G. M. Tielens, J. M. Greenberg, P. M. Williams, E. F. van Dishoeck, & Th. de Graauw, 1998, *A&A* 337, 261
14. *Detection of Abundant CO_2 Ice in the Quiescent Dark Cloud Medium toward Elias 16.*
—D. C. B. Whittet, P. A. Gerakines, A. G. G. M. Tielens, A. J. Adamson, A. C. A. Boogert, J. E. Chiar, Th. de Graauw, P. Ehrenfreund, T. Prusti, W. A. Schutte, B. Vandenbussche, & E. F. van Dishoeck, 1998, *ApJL* 498, 159
13. *The Equatorial Disc of the Be Star X Persei.*
—J. H. Telting, L. B. F. M. Waters, P. Roche, A. C. A. Boogert, J. S. Clark, D. de Martino, & P. Persi, 1998, *MNRAS* 296, 785
12. *Processing of Icy Mantles in Protostellar Envelopes.*
—J. E. Chiar, P. A. Gerakines, D. C. B. Whittet, Y. J. Pendleton, A. G. G. M. Tielens, A. J. Adamson, & A. C. A. Boogert, 1998, *ApJ* 498, 716
11. *ISO-SWS Observations of Weak Bands of Trace Components of Ices Towards the Young Stellar Object W 33A.*
—W. A. Schutte, J. M. Greenberg, E. F. van Dishoeck, A. G. G. M. Tielens, A. C. A. Boogert, & D. C. B. Whittet, 1998, *Ap&SS* 255, 61
10. *Infrared Spectroscopy of Dust in the Diffuse Interstellar Medium toward Cygnus OB2 No. 12.*
—D. C. B. Whittet, A. C. A. Boogert, P. A. Gerakines, W. Schutte, A. G. G. M. Tielens, Th. de Graauw, T. Prusti, E. F. van Dishoeck, P. R. Wesselius, & C. M. Wright, 1997, *ApJ* 490, 729

9. *Infrared Spectroscopy of Interstellar Apolar Ice Analogs.*
—P. Ehrenfreund, **A. C. A. Boogert**, P. A. Gerakines, A. G. G. M. Tielens, & E. F. van Dishoeck, 1997, A&A 328, 649
8. *Infrared Observations and Laboratory Simulations of Interstellar CH₄ and SO₂.*
—**A. C. A. Boogert**, W. A. Schutte, F. P. Helmich, A. G. G. M. Tielens, & D. H. Wooden, 1997, A&A 317, 929
7. *Solid methane toward deeply embedded protostars.*
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