Andreas Vogt – List of Publications

1. *Dimensionale Regularisierung von Infrarotsingularitäten*
Diploma Thesis, Würzburg University, December 1987 (unpublished)

2. *Radiatively Generated Hadronic Photon Structure at Low* Q^2
Phys. Lett. **B222** (1989) 149; with M. Glück and E. Reya

3. *Radiatively Generated Parton Distributions for High Energy Collisions*
Z. Phys. **C48** (1990) 471; with M. Glück and E. Reya

4. *Parton Distributions at Small* x
Nucl. Phys. B (Proc. Suppl.) **18C** (1990) 49; with M. Glück and E. Reya

5. *Parton Distributions for High Energy Collisions*
Z. Phys. **C53** (1992) 127; with M. Glück and E. Reya

6. *Pionic Parton Distributions*
Z. Phys. **C53** (1992) 651; with M. Glück and E. Reya

7. *Parton Structure of the Photon Beyond the Leading Order*
Phys. Rev. **D45** (1992) 3986; with M. Glück and E. Reya

8. *Photonic Parton Distributions*
Phys. Rev. **D46** (1992) 1973; with M. Glück and E. Reya

9. *Photonic Parton Distributions Beyond the Leading Order: Heavy Quark and Dilepton Production at ep Colliders*
Phys. Lett. **B285** (1992) 285; with M. Glück and E. Reya

10. *The Partonic Structure of Hadrons and Photons*
Doctoral Thesis, Dortmund University, May 1992 (unpublished)

11. *Higher Order QCD Analysis of the Photon Structure*
Nucl. Phys. B (Proc. Suppl.) **29A** (1992), 157

12. *Parton Fragmentation into Photons Beyond the Leading Order*
Phys. Rev. **D48** (1993) 116; with M. Glück and E. Reya

13. *Comparing Radiatively Generated Parton Distributions with Recent Measurements of* $F_2^{\mu p}(x, Q^2)$ *in the Small-x Region*
Phys. Lett. **B306** (1993) 391; with M. Glück and E. Reya

14. $Z^0 \to (J/\Psi \textit{ or } \Upsilon) + \gamma$ *Revisited*
Munich Univ. Report LMU–11/93 (unpublished); with R. Rückl

15. *Light Gluinos and the Parton Structure of the Nucleon*
Z. Phys. **C64** (1994) 431; with R. Rückl

16. *Photon Structure: QCD Treatment and Parton Densities*
Proceedings of the Workshop on Two–Photon Physics at LEP and HERA, Lund, May 1994, eds. G. Jarlskog and L. Jönsson (Lund Univ., 1994), p. 141.

17. *Dynamical Parton Distributions of the Proton and Small-x Physics*
Z. Phys. **C67** (1995) 433; with M. Glück and E. Reya

18. *Dynamical Parton Distributions for α_S Determinations*
Phys. Lett. **B354** (1995) 145

19. *Constraints on the Proton's Gluon Distribution from Prompt Photon Production*
Nucl. Phys. **B453** (1995) 334; with W. Vogelsang

20. *On Dynamical Parton Distributions of Hadrons and Photons*
Proceedings of the Workshop on Deep Inelastic Scattering and QCD (DIS 95), Paris, April 1995, eds. J.-F. Laporte and Y. Sirois (École Polytechnique 1995), p. 261

21. *The Mellin Transform Technique for the Extraction of the Gluon Density*
Z. Phys. **C70** (1996) 77; with D. Graudenz, M. Hampel and Ch. Berger

22. *On the Behaviour of Non–Singlet Structure Functions at Small x*
Phys. Lett. **B370** (1996) 149; with J. Blümlein

23. *$\gamma\gamma$ Physics: Structure Functions*
Proceedings of the LEP2 Physics Workshop, CERN, Genf 1995, eds. G. Altarelli, T. Sjöstrand and F. Zwirner (CERN 1996), p. 294; with J. Field et al.

24. *Working Group Report on the Structure of the Proton*
Proceedings of the Workshop on HERA Physics, Durham, September 1995, J. Phys. **G22** (1996) 853; with B. Badelek et al.

25. *Parton Distributions of Real and Virtual Photons*
J. Phys. **G22** (1996) 893; with T. Sjöstrand and J.K. Storrow

26. *On the Resummation of $\alpha \ln^2 x$ Terms for Non–Singlet Structure Functions in QED and QCD*
Acta Phys. Polon. **B27** (1996) 1309; with J. Blümlein

27. *$\gamma\gamma$ Physics at Linear Colliders: Kinematical Coverage for Determining the Photon Structure Function F_2^γ*
Proceedings of the Workshop on e^+e^- Collisions at TeV Energies (Annecy, Gran Sasso, DESY 1995), ed. P. Zerwas (DESY 1996), p. 473; with D.J. Miller

28. *The Singlet Contribution to the Structure Function $g_1(x, Q^2)$ at Small x*
Phys. Lett. **B386** (1996) 350; with J. Blümlein

29. *Constraining the Proton's Gluon Density by Charm Electroproduction at HERA*
Proceedings of the Workshop on Deep Inelastic Scattering and Related Phenomena (DIS 96), Rome, April 1996, eds. G. D'Agostini, A. Nigro (World Scientific 1997), p. 254

30. *On Small-x Resummations for the Evolution of Unpolarized and Polarized Non–Singlet and Singlet Structure Functions*
Ibid., p. 572; with J. Blümlein and S. Riemersma [see also: Acta Phys. Polon. **B28** (1997) 577]

31. *The Evolution of Unpolarized and Polarized Structure Functions at Small x*
Nucl. Phys. B (Proc. Suppl.) **51C** (1996) 30; with J. Blümlein and S. Riemersma

32. *Theoretical Uncertainties in the QCD Evolution of Structure Functions and their Impact on $\alpha_s(M_Z^2)$*
Nucl. Phys. B (Proc. Suppl.) **51C** (1996) 96; with J. Blümlein, S. Riemersma and W.L. van Neerven

33. *Structure Functions in Deep Inelastic Scattering at HERA*
Proceedings of the Workshop on Future Physics at HERA, DESY, Hamburg 1995/96, eds. G. Ingelman, A. De Roeck and R. Klanner (DESY 1996), p. 3; with J. Blümlein, A.T. Doyle, F. Hautmann and M. Klein

34. *A Detailed Comparison of NLO QCD Evolution Codes*
Ibid., p. 23; with J. Blümlein et al.

35. *Theoretical Uncertainties in the Determination of α_S from F_2^p at HERA*
Ibid., p. 52; with J. Blümlein, S. Riemersma and W.L. van Neerven

36. *The Extraction of the Gluon Density from Jet Production in Deep–Inelastic Scattering*
Ibid., p. 541; with D. Graudenz and M. Hampel

37. *The Effect of Small-x Resummations on the Evolution of Polarized Structure Functions*
Ibid., p. 799; also in: Proceedings of the Symposium on High–Energy Spin Physics, Amsterdam, September 1996, eds. C.W. de Jager et al. (World Scientific 1997), p. 218; with J. Blümlein

38. *On the Resummation of the $\alpha \ln^2 x$ Terms for QED Corrections to Deep–Inelastic Scattering and e^+e^- Annihilation*
Eur. Phys. J. **C1** (1998) 255; with J. Blümlein and S. Riemersma

39. *Parton Distributions in Deep–Inelastic Scattering and Related Processes*
Habilitation Thesis, Würzburg University, April 1997 (unpublished)

40. *Physics with e^+e^- Linear Colliders*
Phys. Rept. 299 (1998) 1; with E. Accomando et al.

41. *Small-x Resummations for the Structure Functions F_2^p, F_L^p and F_2^γ*
Proceedings of the Workshop on Deep Inelastic Scattering and QCD (DIS 97), Chicago, April 1997, eds. J. Repond and D. Krakauer (AIP 1997), p. 309; with J. Blümlein

42. *On Small-x Resummations for the Evolution of Deep–Inelastic Structure Functions*
Proceedings of the Workshop on New Non Perturbative Methods and Quantisation on the Light Cone, Les Houches, France, February 1997, eds. P. Grangé et al. (Springer 1998), p. 237; with J. Blümlein

43. *On the Resummed Gluon Anomalous Dimension and Structure Functions at Small x*
Phys. Rev. **D57** (1998) 1; with J. Blümlein

44. *The Parton Structure of Real Photons*
Proceedings of the International Conference PHOTON '97, Egmond aan Zee, The Netherlands, May 1997, eds. A. Buijs and F.C. Erné (World Scientific 1997), p. 3

45. *The Evolution of Unpolarized Singlet Structure Functions at Small x*
Phys. Rev. **D58** (1998) 014020; with J. Blümlein

46. *The Unpolarized Gluon Anomalous Dimension at Small x*
Proceedings of the Workshop on Deep Inelastic Scattering and QCD (DIS 98), Brüssel, April 1998, eds. G. Coremans and R. Roosen (World Scientific 1998) p. 211; with J. Blümlein, V. Ravindran and W.L. van Neerven

47. *DIS'98 Structure Functions Summary, Part 2 (Theoretical Aspects)*
ibid., p. 792

48. *Dynamical Parton Distributions Revisited*
Eur. Phys. J. **C5** (1998) 461, with M. Glück and E. Reya

49. *Structure Function Evolution at Next-to-Leading Order and Beyond*
Nucl. Phys. B (Proc. Suppl.) **79** (1999) 102

50. *Real Photon Structure at an e^+e^- Linear Collider*
Nucl. Phys. B (Proc. Suppl.) **82** (2000) 394

51. *NNLO Evolution of Deep-Inelastic Structure Functions: The Non-Singlet Case*
Nucl. Phys. **B568** (2000) 263, with W.L. van Neerven

52. *Soft Gluon Effects in Deep Inelastic Structure Functions*
Phys. Lett. **B471** (1999) 97

53. *QCD at the Large Hadron Collider*
Proceedings of the CERN Workshop on Standard Model Physics (and more) at the LHC, eds. G. Altarelli and M.L. Mangano (CERN 2000), p. 1; with S. Catani et al.

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55. *Parton Densities and Structure Functions beyond the Next-to-Leading Order*
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56. *Improved Approximations for the Three-Loop Splitting Functions in QCD*
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58. *Non-Singlet Structure Functions Beyond the Next-to-Next-To-Leading Order*
Nucl. Phys. **B603** (2001) 42; with W.L. van Neerven

59. *TESLA TDR, Part 3: Physics at an e^+e^- Linear Collider*
DESY-2001-011, `hep-ph/0106315`; ECFA/DESY Linear Coll. Physics Working Group (J.A. Aguilar-Saavedra et al.)

60. *Parton Densities and Structure Functions at NNLO and Beyond*
Proceedings of the workshops New Trends in HERA Physics, Ringberg Castle, Tegernsee, Germany, Juni 2001, J. Phys. **G28** (2002) 727 and (shortened) 'DIS 2001', Bologna, April 2001, eds. G. Bruni et al. (World Scientific 2002), p. 368; with W.L. van Neerven

61. *Next-to-Next-to Leading Order QCD Corrections to the Photon's Parton Structure*
Nucl. Phys. **B621** (2002) 413; with S. Moch and J. Vermaseren

62. *Reference Results for the Evolution of Parton Distributions*
Proceedings of the workshop Physics at TeV Colliders, Les Houches, May 2001: The QCD/SM Working Group: Summary Report, `hep-ph/0204316`, p. 13; with G. Salam

63. *Questions on Uncertainties in Parton Distributions*
Proceedings of the conference Advanced Statistical Techniques in Particle Physics, Durham, May 2002, eds. M.R. Whalley and L. Lyons (Durham University, 2002), p. 206 and J. Phys. **G28** (2002) 2717; with R.S. Thorne et al.

64. *Non-Singlet Structure Functions at Three Loops: Fermionic Contributions*
Nucl. Phys. **B646** (2002) 181; with S. Moch and J. Vermaseren

65. *First Results for Three-Loop Deep-Inelastic Structure Functions in QCD*
Nucl. Phys. B (Proc. Suppl.) **116** (2003) 100; with S. Moch and J. Vermaseren

66. *Three-Loop Results and Soft-Gluon Effects in Deep-Inelastic Scattering*
Proceedings of the 'Workshop on Deep Inelastic Scattering (DIS 2003)', Gatchina, St. Petersburg, April 2003, eds. V.T. Kim and L.N. Lipatov (Petersburg Nuclear Physics Institute, 2003), p. 161; with S. Moch and J. Vermaseren

67. *The Three-Loop Splitting Functions in QCD: The Non-Singlet Case*
Nucl. Phys. **B688** (2004) 101; with S. Moch and J. Vermaseren

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Proceedings of the 'Workshop on Deep Inelastic Scattering (DIS 2004)', Strbské Pleso (Slovakia), April 2004, eds. D. Bruncko et al. (Institute of Experimental Physics SAS, Kosice 2004), p. 231 and (shortened) Nucl. Phys. B (Proc. Suppl.) **152** (2006), 110; with S. Moch and J. Vermaseren

70. *The QCD Splitting Functions at Three Loops: Methods and Results*
Nucl. Phys. B (Proc. Suppl.) **135** (2004) 137, with S. Moch and J. Vermaseren

71. *Efficient Evolution of Unpolarized and Polarized Parton Distributions with QCD-Pegasus*
Comput. Phys. Commun. **170** (2005) 65

72. *The Longitudinal Structure Function at the Third Order*
Phys. Lett. **B606** (2005) 123, with S. Moch and J. Vermaseren

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Nucl. Phys. **B724** (2005) 3, with S. Moch and J. Vermaseren

74. *Higher-Order Corrections in Threshold Resummation*
Nucl. Phys. **B726** (2005), 317, with S. Moch and J. Vermaseren

75. *The Quark Form Factor at Higher Orders*
JHEP **0508** (2005) 049, with S. Moch and J. Vermaseren

76. *Three-Loop Results for Quark and Gluon Form Factors*
Phys. Lett. **B625** (2005) 245, with S. Moch and J. Vermaseren

77. *Higher-Order Soft Corrections to Lepton Pair and Higgs Boson Production*
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78. *Updated Reference Results for the Evolution of Parton Distributions*
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80. *Photon-Parton Splitting Functions at the Next-to-Next-to-Leading Order of QCD*
Acta Phys. Polon. **B37** (2006) 683, with S. Moch and J. Vermaseren

81. *Next-to-Next-to-Leading Order Evolution of Non-Singlet Fragmentation Functions*
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Nucl. Phys. B (Proc. Suppl.) **160** (2006) 44, with S. Moch and J. Vermaseren

83. *NNLO Splitting Functions and Coefficient Functions with Time-Like Kinematics*
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