

## List of Publications

1. "Specific Heat Singularities of the Ising Antiferromagnets  $\text{CoCs}_3\text{Cl}_5$  and  $\text{CoCs}_3\text{Br}_5$ ";  
R.F. Wielinga, H.W.J. Blöte, J.A. Roest and W.J. Huiskamp,  
*Physica* **34** 223-240 (1967).
2. "Heat Capacity Anomaly of Copper-Lanthanum Double Nitrate below 1 K";  
K.W. Mess, H.W.J. Blöte and W.J. Huiskamp,  
*Phys. Lett.* **27A** 353-354 (1968).
3. "Heat Capacity Measurements on Rare-Earth Double Oxides  $\text{R}_2\text{M}_2\text{O}_7$ ";  
H.W.J. Blöte, R.F. Wielinga and W.J. Huiskamp,  
*Physica* **43** 549-568 (1969).
4. "Heat Capacity Measurements on  $\text{Rb}_3\text{CoCl}_5$  compared with the Ising Model";  
H.W.J. Blöte and W.J. Huiskamp,  
*Phys. Lett.* **29A** 304-305 (1969).
5. "Heat Capacity and Magnetic Behaviour of Cobalt and Manganese Formate Dihydrate";  
M. Matsuura, H.W.J. Blöte and W.J. Huiskamp,  
*Physica* **50** 444-456 (1970).
6. "Magnetic Phase Transitions in Four Manganese Double Chlorides";  
H.W.J. Blöte and W.J. Huiskamp,  
*Physica* **53** 445-470 (1971).
7. "Magnetic Ordering of Two-Dimensional Antiferromagnetic Formates";  
M. Matsuura, H.W.J. Blöte, W.J. Huiskamp, K. Takeda and T. Haseda,  
*J. Physique* **C1** 757-758 (1971).
8. "Heat Capacity of Four Manganese Double Chlorides";  
H.W.J. Blöte and W.J. Huiskamp,  
*J. Physique* **C1** 1005-1007 (1971).
9. "Magnetic Ordering Phenomena at Very Low Temperatures";  
H.W.J. Blöte, Ph. D. Thesis (128 pp.), University of Leiden, (1972).
10. "Caloric and Magnetic Study of Five Rare Earth Compounds having Predominantly Magnetic Dipole-Dipole Interaction";  
E. Lagendijk, H.W.J. Blöte and W.J. Huiskamp,  
*Physica* **61** 220-240 (1972).
11. "The Behaviour of Cerium Ethylsulphate Below 1K";  
H.W.J. Blöte,  
*Physica* **61** 361-388 (1972).

12. "On the Ground State of Crystals with Dipole-Dipole and Exchange Interactions II: The General Solution of the Luttinger-Tisza Approximation";  
Th. Niemeijer and H.W.J. Blöte,  
*Physica* **67** 125-136 (1973).
13. "Heat Capacity of  $[(\text{CH}_3)_3\text{NH}]\text{CuCl}_3 \cdot 2\text{H}_2\text{O}$  below 1K";  
H.A. Algra, L.J. de Jongh, H.W.J. Blöte, W.J. Huiskamp and R.L. Carlin,  
*Physica* **78** 314-318 (1974).
14. "Large Single-Ion Anisotropy and Ferromagnetic Intrachain Interaction in Four Ni Compounds  $\text{NiX}_2\text{L}_2$  with  $\text{X}=\text{Cl}, \text{Br}$ ;  $\text{L}=\text{N}_2\text{C}_3\text{H}_4, \text{NC}_5\text{H}_5$ ";  
F.W. Klaaysen, H.W.J. Blöte and Z. Dokoupil,  
*Solid St. Comm.* **14** 607-612 (1974).
15. "The Heat Capacities of Linear Heisenberg Chains";  
H.W.J. Blöte,  
*Physica* **78** 302-307 (1974).
16. "Magnetization Measurements of Antiferromagnetic  $\text{Mn}^{2+}$  Chains in Pulsed Fields up to 400 kOe";  
J.J. Smit, L.J. de Jongh, H.W.J. Blöte and D. de Klerk,  
*Colloques Intern. du Centre National de la Recherche Scientifique*, No. **242**  
253-256 (1975).
17. "The Specific Heat of Magnetic Linear Chains";  
H.W.J. Blöte,  
*Physica B* **79** 427-466 (1975).
18. "The Influence of Optical Aberrations on the Diffraction Disc";  
H.W.J. Blöte,  
*Zenit* **2** 249-252 (1975) (Dutch Astronomical and Meteorological Society).
19. "Magnetic Specific Heats of Four Spin 5/2 Linear-Chain Compounds of Formula  $\text{MnX}_2\text{L}_2$  with  $\text{X}=\text{Cl}, \text{Br}$ ;  $\text{L}=\text{N}_2\text{C}_3\text{H}_4, \text{NC}_5\text{H}_5$ ";  
F.W. Klaaysen, H.W.J. Blöte and Z. Dokoupil,  
*Physica B* **81** 1-14 (1976).
20. "Specific Heat and Susceptibility of  $\text{EuSO}_4$ ";  
E. Legendijk, F.J.A.M. Greidanus and H.W.J. Blöte,  
*Physica B* **92** 369-372 (1977).
21. "The Ground-State Energies of Antiferromagnetic Heisenberg Chains";  
H.W.J. Blöte,  
*Physica B* **93** 93-98 (1978).
22. "Star Images in the Presence of Aberrations";  
H.W.J. Blöte (ed. R.W. Sinnott),  
*Sky and Telescope* **55** 347-354 (1978).

23. "Thermal and Magnetic Study of Exchange in the Quasi-1-D Molecular Compound TTF-Pt/bis-Dithiolene";  
J.C. Bonner, T.S. Wei, H.R. Hart Jr., L.V. Interrante, I.S. Jacobs, J.S. Kasper, G.D. Watkins and H.W.J. Blöte,  
J. Appl. Phys. **49** 1321-1324 (1978).
24. "Spectral Excitations of Linear Magnetic Chains";  
J.C. Bonner, H.W.J. Blöte and J.D. Johnson,  
J. Physique (Paris) (Suppl.) **39** Colloque C-6 710-712 (1978).
25. "Theoretical and Experimental Study of the the Magnetic Properties of the Singlet-Ground-State System  $\text{Cu}(\text{NO}_3)_2 \cdot 2\frac{1}{2}(\text{H}_2\text{O})$ ";  
K.M. Diederix, H.W.J. Blöte, J.P. Groen, T.O. Klaassen and N.J. Poulis,  
Phys. Rev. B **19** 420-431 (1979).
26. "Susceptibility Calculations for Alternating Antiferromagnetic Chains";  
J.C. Bonner, H.W.J. Blöte, J.W. Bray and I.S. Jacobs,  
J. Appl. Phys. **50** 1810-1812 (1979).
27. "Renormalization Group and other Calculations for the Spin- $\frac{1}{2}$  Dimerized Heisenberg Antiferromagnet";  
J.N. Fields, J.C. Bonner and H.W.J. Blöte,  
J. Appl. Phys. **50** 1807-1809 (1979).
28. "Magnetically Linear and Quadratic Hexanitocuprates";  
H.W.J. Blöte,  
J. Appl. Phys. **50** 1825-1827 (1979).
29. "First Order Phase Transitions and the Three-State Potts Model";  
H.W.J. Blöte and R.H. Swendsen,  
Phys. Rev. Lett. **43** 799-802 (1979).
30. "Critical Behaviour of the Three-Dimensional Ising Model";  
H.W.J. Blöte and R.H. Swendsen,  
Phys. Rev. B **20** 2077-2079 (1979).
31. "Comparison of Spin Anisotropy and Exchange Alternation";  
J.C. Bonner, H.W.J. Blöte and J.D. Johnson,  
J. Appl. Phys. **50** 7379-7381 (1979).
32. "First Order Phase Transitions and the Three-State Potts Model";  
H.W.J. Blöte and R.H. Swendsen,  
J. Appl. Phys. **50** 7382-7384 (1979).
33. "Heisenberg Chains with Alternating Spin Quantum Numbers";  
H.W.J. Blöte,  
J. Appl. Phys. **50** 7401-7403 (1979).

34. "Zero Temperature Quantum Renormalization Group";  
H.W.J. Blöte, J.C. Bonner and J.N. Fields,  
J. Magn. and Magn. Materials **15-18** 405-406 (1980).
35. "First Order Transitions in Three-State Potts Models";  
H.W.J. Blöte and R.H. Swendsen,  
J. Magn. and Magn. Materials **15-18** 399-400 (1980).
36. "Critical Behaviour of the Four-Dimensional Ising Model";  
H.W.J. Blöte and R.H. Swendsen,  
Phys. Rev. B **22** 4481-4483 (1980).
37. "Finite-Size Scaling and Critical-Point Exponents of the Potts Model";  
M.P. Nightingale and H.W.J. Blöte,  
Physica A **104** 352-357 (1980).
38. "Quantum Spin Chains";  
J.C. Bonner, H.W.J. Blöte, H. Beck and G. Müller,  
in "Physics in One Dimension", Proceedings of the Fribourg Conference 115-128  
(1980), ed. J. Bernasconi and T. Schneider (Springer, New York 1981).
39. "Critical Exponents of Two-Dimensional Potts and Bond-Percolation Models";  
H.W.J. Blöte, M.P. Nightingale and B. Derrida,  
J. Phys. A **14** L45-L49 (1981).
40. "Crystal Structure and Magnetic Properties of the Cyclohexylammonium Tri-  
Chlorocuprate (II): a Quasi 1-D Heisenberg  $s = \frac{1}{2}$  Ferromagnet";  
H.A. Groenendijk, H.W.J. Blöte, A.J. van Duyneveldt, R.M. Gaura, C.P. Landee  
and R.D. Willett,  
Physica B **106** 47-58 (1981).
41. "Critical Behaviour of the Two-Dimensional Potts Model with a Continuous  
Number of States: a Finite-Size-Scaling Analysis";  
H.W.J. Blöte and M.P. Nightingale,  
Physica A **112** 405-465 (1982).
42. "Excitation Spectra of the Linear Alternating Antiferromagnet";  
J.C. Bonner and H.W.J. Blöte,  
Phys. Rev. B **25** 6959-6980 (1982).
43. "Linear Defects in Two-Dimensional Systems: a Finite-Size Investigation";  
M.P. Nightingale and H.W.J. Blöte,  
J. Phys. A **15** L33-L38 (1982).
44. "Roughening Transitions and the Zero-Temperature Triangular Ising Antifer-  
romagnet";  
H.W.J. Blöte and H.J. Hilhorst,  
J. Phys. A **15** L631-637 (1982).

45. "Alternating Linear Chain Antiferromagnetism in Copper Nitrate  $\text{Cu}(\text{NO}_3)_2 \cdot 2\frac{1}{2}(\text{H}_2\text{O})$ ";  
J.C. Bonner, S.A. Friedberg, H. Kobayashi, D.L. Meier and H.W.J. Blöte,  
Phys. Rev. B **27** 248-260 (1983).
46. "Critical Exponent of a Directed Self-Avoiding Walk";  
H.W.J. Blöte and H.J. Hilhorst,  
J. Phys. A **16** 3687-3689 (1983).
47. "The Relation between Amplitudes and Critical Exponents in Finite-Size Scaling",  
M.P. Nightingale and H.W.J. Blöte,  
J. Phys. A **16** L657-L664 (1983).
48. "Nonuniversality, Exponent Asymmetry and Surface Magnetization in an Inhomogeneous Square Ising Lattice";  
H.W.J. Blöte and H.J. Hilhorst,  
Phys. Rev. Lett. **51** 2015-2018 (1983).
49. "Spiralling Self-Avoiding Walks: an Exact Solution";  
H.W.J. Blöte and H.J. Hilhorst,  
J. Phys. A **17** L111-L115 (1984).
50. "The Temperature Exponent of the  $n$ -Component Cubic Model";  
H.W.J. Blöte and M.P. Nightingale,  
Physica A **129** 1-16 (1984).
51. "Triangular SOS models and Cubic Crystal Shapes";  
B. Nienhuis, H.J. Hilhorst and H.W.J. Blöte,  
J. Phys. A **17** 3559-3581 (1984).
52. "Heisenberg Spin Chains: Quantum-Classical Crossover and the Haldane Conjecture";  
J.B. Parkinson, J.C. Bonner, G. Müller, M.P. Nightingale and H.W.J. Blöte,  
J. Appl. Phys. **57** 3319-3321 (1985).
53. "Smooth Finite-Size Behaviour of the Three-Dimensional Ising Model";  
A. Hoogland, A. Compagner and H.W.J. Blöte,  
Physica A **132** 593-596 (1985).
54. "Surface Critical Behaviour of the Smoothly Inhomogeneous Ising Model";  
H.W.J. Blöte and H.J. Hilhorst,  
J. Phys. A **18** 3039-3061 (1985).
55. "Universality in Two-Dimensional Ising Models";  
H.W.J. Blöte and M.P. Nightingale,  
Physica A **134** 274-282 (1985).

56. "Heisenberg Antiferromagnetic Chains - Quantum-Classical Crossover";  
J.C. Bonner, H.W.J. Blöte, G. Müller, M.P. Nightingale and J.B. Parkinson,  
*J. Magn. and Magn. Materials* **54-7** 1253-1254 (1986).
57. "Gap of the Linear Spin-1 Heisenberg Antiferromagnet: a Monte Carlo Calculation";  
M.P. Nightingale and H.W.J. Blöte,  
*Phys. Rev. B* **33** 659-661 (1986).
58. "Conformal Invariance, the Central Charge, and Universal Finite-Size Amplitudes at Criticality";  
H.W.J. Blöte, J.L. Cardy and M.P. Nightingale,  
*Phys. Rev. Lett.* **56** 742-745 (1986).
59. "Finite-Size Scaling and the Isotropic Spin-One Antiferromagnetic Chain";  
H.W.J. Blöte and H.W. Capel,  
*Physica A* **139** 387-394 (1986).
60. "Critical Behaviour of Two Ising Models with Multispin Interactions";  
H.W.J. Blöte, A. Compagner, P.A.M. Cornelissen, A. Hoogland, F. Mallezie and C. Vanderzande,  
*Physica A* **139** 395-411 (1986).
61. "The Simple-Quadratic Ising Model with Crossing Bonds";  
H.W.J. Blöte, A. Compagner and A. Hoogland,  
*Physica A* **141** 375-402 (1987).
62. "Unusual Critical Behavior in a Bilinear-Biquadratic Exchange Hamiltonian";  
J.C. Bonner, J.B. Parkinson, J. Oitmaa and H.W.J. Blöte,  
*J. Appl. Phys.* **61** 4432-4434 (1987).
63. "Equivalence of an Ising Model with Two- and Three-Spin Interactions with the Four-State Potts Model";  
H.W.J. Blöte,  
*J. Phys. A* **20** L35-L38 (1987).
64. "Quantum Spin Chains with Alternation";  
H.W.J. Blöte and J.C. Bonner,  
*Phys. Rev. B* **36** 2337-2340 (1987).
65. "Convergence of Finite-Size Scaling Analysis: Weak Size Dependence of Renormalization Transformations";  
M.R. Dudek, J.M.J. van Leeuwen and H.W.J. Blöte,  
*Physica A* **147** 344-367 (1987).
66. "Corrections to Scaling at Two-Dimensional Ising Transitions";  
H.W.J. Blöte and M.P.M. den Nijs,  
*Phys. Rev. B* **37** 1766-1778 (1988).

67. "Monte Carlo Calculation of Free Energy, Critical Point and Surface Critical Behavior of Three-Dimensional Heisenberg Ferromagnets";  
M.P. Nightingale and H.W.J. Blöte,  
Phys. Rev. Lett. **60** 1562-1565 (1988).
68. "Conformal Anomaly and Scaling Dimensions of the O(n) Model from an Exact Solution on the Honeycomb Lattice";  
M.T. Batchelor and H.W.J. Blöte,  
Phys. Rev. Lett. **61** 138-140 (1988).
69. "The Delft Ising System Processor";  
A. Hoogland, A. Compagner and H.W.J. Blöte,  
in "Architecture and Performance of Specialized Computers" ed. B. Alder,  
in the series "Computational Techniques", Academic, New York, pp. 233-280  
(1988).
70. "Conformal Invariance and Critical Behavior of the O(n) Model on the Honeycomb Lattice";  
M.T. Batchelor and H.W.J. Blöte,  
Phys. Rev. B **39** 2391-2402 (1989).
71. "Critical Behaviour and Conformal Anomaly of the O(n) Model on the Square Lattice";  
H.W.J. Blöte and B. Nienhuis,  
J. Phys. A **22** 1415-1438 (1989).
72. "Critical Frontier of the Antiferromagnetic Ising Model in a Magnetic Field: the Honeycomb Lattice";  
F.Y. Wu, X.N. Wu and H.W.J. Blöte,  
Phys. Rev. Lett. **62** 2773-2776 (1989).
73. "Monte Carlo Renormalization of the Three-Dimensional Ising Model: the Influence of Truncation";  
H.W.J. Blöte, J.A. de Bruin, A. Compagner, J.H. Croockewit, Y.T.J.C. Fonk,  
J.R. Heringa, A. Hoogland and A.L. van Willigen,  
Europhys. Lett. **10** 105-109 (1989).
74. "Phase Transitions in Self-Dual Ising Models with Multispin Interactions in a Field";  
J.R. Heringa, H.W.J. Blöte and A. Hoogland,  
Phys. Rev. Lett. **63** 1546-1549 (1989).
75. "The Phase Diagram of the O(n) Model";  
H.W.J. Blöte and B. Nienhuis,  
Physica A **160** 121-134 (1989).
76. "Monte Carlo Renormalization of the Three-Dimensional Ising Model";  
H.W.J. Blöte, A. Compagner, J.H. Croockewit, Y.T.J.C. Fonk, J.R. Heringa,

- A. Hoogland, T.S. Smit and A.L. van Willigen,  
*Physica A* **161** 1-22 (1989).
77. "Critical Point of the Honeycomb Antiferromagnetic Ising Model in a Nonzero Magnetic Field: Finite Size Analysis";  
H.W.J. Blöte, F.Y. Wu and X.N. Wu,  
*Int. J. Mod. Phys. B* **4** 619-629 (1990).
78. "Critical Properties of Non-Equilibrium Systems without Global Currents: Ising Model at Two Temperatures";  
H.W.J. Blöte, J.R. Heringa, A. Hoogland and R.K.P. Zia,  
*J.Phys. A* **23** 3799-3808 (1990).
79. "Accurate Determination of the Critical Line of the Square Ising Antiferromagnet in a Field";  
H.W.J. Blöte and X.N. Wu,  
*J. Phys. A* **23** L627-L631 (1990).
80. "Stability of Ising Systems against Non-Hamiltonian, Symmetry-Breaking Dynamics";  
H.W.J. Blöte, J.R. Heringa, A. Hoogland and R.K.P. Zia,  
*Int. J. Mod. Phys. B* **5** 685-695 (1991).
81. "Field-induced Kosterlitz-Thouless Transition in the Zero-Temperature Triangular Ising Antiferromagnet";  
H.W.J. Blöte, M.P. Nightingale, X.N. Wu and A. Hoogland,  
*Phys. Rev. B* **43** 8751-8754 (1991).
82. "Statistical Mechanics and Special-Purpose Computers";  
H.W.J. Blöte,  
*Int. J. Mod. Phys. C* **2** 14-20 (1991).
83. "Monte Carlo Renormalization of the 3-D Ising Model and Analyticity of Block-Spin Transformations";  
T.S. Smit, J.R. Heringa, H.W.J. Blöte, A. Compagner, Y.T.J.C. Fonk and A. Hoogland,  
*Int. J. Mod. Phys. C* **2** 487-490 (1991).
84. "Bistability in an Ising model with Non-Hamiltonian Dynamics";  
J.R. Heringa, H. Shinkai, H.W.J. Blöte, A. Hoogland and R.K.P. Zia,  
*Phys. Rev. B* **45** 5707-5709 (1992).
85. "Geometrical Aspects of Critical Ising Configurations in Two Dimensions";  
H.W.J. Blöte, Y.M.M. Knops and B. Nienhuis,  
*Phys. Rev. Lett.* **68** 3440-3443 (1992).
86. "New Primitive Trinomials of Mersenne-Exponent Degrees for Random-Number Generation";

- J.R. Heringa, H.W.J. Blöte and A. Compagner,  
Int. J. Mod. Phys. **C3** 561-564 (1992).
87. "Critical Behavior of Two Ising Models with Near-Neighbor Exclusion";  
F. Igloi, J.R. Heringa, M.M.F. Philippens, A. Hoogland and H.W.J. Blöte,  
J. Phys. A **25** 6231-6241 (1992).
88. "Universal Ratio of Magnetization Moments in Two-Dimensional Ising Models";  
G. Kamieniarz and H.W.J. Blöte,  
J. Phys. A **26** 201-212 (1993).
89. "Exact Multicritical Behaviour of the Potts Model";  
B. Nienhuis, O. Warnaar and H.W.J. Blöte,  
J. Phys. A **26** 477-493 (1993).
90. "Multicriticality in a Self-Dual Potts Model";  
Y.M.M. Knops, H.W.J. Blöte and B. Nienhuis,  
J. Phys. A **26** 495-518 (1993).
91. "Histogram Monte Carlo Renormalization Group Method for Phase Transition  
Models without Critical Slowing Down (Comment)";  
J.R. Heringa and H.W.J. Blöte,  
Phys. Rev. Lett. **70** 2044 (1993).
92. "The Antiferromagnetic Triangular Ising Model: Critical Behavior of the Ground  
State";  
H.W.J. Blöte and M.P. Nightingale,  
Phys. Rev. B **47** 15046-15059 (1993).
93. "Finite-Size Calculations on the Three-Dimensional Ising Model";  
H.W.J. Blöte and G. Kamieniarz,  
Physica A **196** 455-460 (1993).
94. "The Non-Interacting Hard-Square Lattice Gas: Ising Universality";  
G. Kamieniarz and H.W.J. Blöte,  
J. Phys. A **26** 6679-6689 (1993).
95. "Universality of Surface Correlation Functions in Three-Dimensional Models";  
M.P. Nightingale and H.W.J. Blöte,  
Phys. Rev. B **48** 13678-13683 (1993).
96. "Fully Packed Loop Model on the Honeycomb Lattice";  
H.W.J. Blöte and B. Nienhuis,  
Phys. Rev. Lett. **72** 1372-1375 (1994).
97. "Critical Behaviour of some 2D Lattice Models";  
G. Kamieniarz, H.W.J. Blöte and R. Dekeyser,  
Acta Phys. Polon. A **85** 389-393 (1994).

98. "Simulations of the 3-D Ising Model at Criticality";  
H.W.J. Blöte and G. Kamieniarz,  
*Acta Phys. Polon. A* **85** 395-398 (1994).
99. "Bond Updating Mechanism in Cluster Monte Carlo Calculations";  
J.R. Heringa and H.W.J. Blöte,  
*Phys. Rev. E* **49** R1827-R1830 (1994).
100. "Critical Properties of 3-D Ising Systems with Non-Hamiltonian Dynamics";  
J.R. Heringa, H.W.J. Blöte and A. Hoogland,  
*Int. J. Mod. Phys. C* **5** 589-598 (1994).
101. "Inverse Roughening Transition in the Staggered BCSOS Model";  
E. Luijten, H. van Beijeren and H.W.J. Blöte,  
*Phys. Rev. Lett.* **73** 456-459 (1994).
102. "19-vertex Version of the Fully Frustrated XY Model";  
Y.M.M. Knops, B. Nienhuis, H.J.F Knops and H.W.J. Blöte,  
*Phys. Rev. B* **50** 1061-1073 (1994).
103. "Conforme Invariantie en Kritieke Verschijnselen";  
H.W.J. Blöte,  
*Nederlands Tijdschrift voor Natuurkunde* **60** 279-283 (1994).
104. "Conformal Charge and Exact Exponents in the  $n = 2$  FPL model (Reply)";  
H.W.J. Blöte and B. Nienhuis,  
*Phys. Rev. Lett.* **73** 2787 (1994).
105. "Demonen in Monte Carlo";  
J.R. Heringa and H.W.J. Blöte,  
*Nederlands Tijdschrift voor Natuurkunde* **61** 163-165 (1995).
106. "Monte Carlo Method for Spin Models with Long-Range Interactions";  
E. Luijten and H.W.J. Blöte,  
*Int. J. Mod. Phys. C* **6** 359-370 (1995).
107. "Cluster Algorithm Special Purpose Computer for the 3D Ising Model";  
A.L. Talapov, L.N. Shchur and H.W.J. Blöte,  
*Pis'ma v ZhETF* **62** 157-164 (1995); *JETP Letters* **62** 174-181 (1995).
108. "Ising Universality in Three Dimensions: a Monte Carlo Study ";  
H.W.J. Blöte, E. Luijten and J.R. Heringa,  
*J. Phys. A* **28** 6289-6313 (1995).
109. "Finite-size Scaling and Universality above the Upper Critical Dimensionality";  
E. Luijten and H.W.J. Blöte,  
*Phys. Rev. Lett.* **76** 1557-1660 (1996).

110. "Monte Carlo Renormalization of the 3-D Ising Model: Analyticity and Convergence";  
H.W.J. Blöte, J.R. Heringa, A. Hoogland, E.W. Meyer and T.S. Smit,  
Phys. Rev. Lett. **76** 2613-2616 (1996).
111. "The Dynamic Exponent of the Two-Dimensional Ising Model and Monte Carlo Computation of the Sub-Dominant Eigenvalue of the Stochastic Matrix";  
M.P. Nightingale and H.W.J. Blöte,  
Phys. Rev. Lett. **76** 4548-4551 (1996).
112. "Transfer Matrix Monte Carlo Estimates of Critical Points in the Simple Cubic Ising, Planar and Heisenberg Models";  
M.P. Nightingale and H.W.J. Blöte,  
Phys. Rev. B **54** 1001-1008 (1996).
113. "Critical Behaviour of the Fully Packed Loop Model on the Square Lattice";  
M.T. Batchelor, H.W.J. Blöte, B. Nienhuis and C.M. Yung,  
J. Phys. A **29** L399-L404 (1996).
114. "Fully Packed Loop Models";  
H.W.J. Blöte, M.T. Batchelor and B. Nienhuis,  
in "Statistical Models, Yang-Baxter Equations and Related Topics",  
edited by M.L. Ge and F.Y. Wu, World Scientific, Singapore, pp. 49-56 (1996).
115. "The Magnetization of the 3D Ising Model";  
A.L. Talapov and H.W.J. Blöte,  
J. Phys. A **29** 5727-5733 (1996).
116. "The Simple-Cubic Lattice Gas with Nearest-Neighbour Exclusion: Ising Universality";  
J.R. Heringa and H.W.J. Blöte,  
Physica A **232** 369-374 (1996).
117. "Medium-Range Interactions and Crossover to Classical Critical Behavior";  
E. Luijten, H.W.J. Blöte and K. Binder,  
Phys. Rev. E **54** 4626-4636 (1996).
118. "Universality Class of Trails in Two Dimensions";  
I. Guim, H.W.J. Blöte and T.W. Burkhardt,  
J. Phys. A **30** 413-421 (1997).
119. "Cluster Monte Carlo: Scaling of Systematic Errors in the 2D Ising Model";  
L.N. Shchur and H.W.J. Blöte,  
Phys. Rev. E **55** 4905R-4908R (1997).
120. "Universality and the Five-Dimensional Ising Model";  
E. Luijten and H.W.J. Blöte,  
Europhys. Lett. **38** 565-570 (1997).

121. "Nonmonotonic Crossover of the Effective Susceptibility Exponent";  
E. Luijten, H.W.J. Blöte and K. Binder,  
Phys. Rev. Lett. **79** 561-564 (1997).
122. "Simulation of a Directed Random-Walk Model: the Effect of Pseudo-Random-  
Number Correlations";  
L.N. Shchur, J.R. Heringa and H.W.J. Blöte,  
Physica A **241** 579-592 (1997).
123. "Classical Critical Behavior of Spin Models with Long-Range Interactions";  
E. Luijten and H.W.J. Blöte,  
Phys. Rev. B **56** 8945-8958 (1997).
124. "Crossover Scaling in Two Dimensions";  
E. Luijten, H.W.J. Blöte and K. Binder,  
Phys. Rev. E **56** 6540-6556 (1997).
125. "Universal Dynamics of Independent Critical Relaxation Modes";  
M.P. Nightingale and H.W.J. Blöte,  
Phys. Rev. Lett. **80** 1007-1010 (1998).
126. "Cluster Dynamics and Universality of Ising Lattice Gases";  
J.R. Heringa and H.W.J. Blöte,  
Physica A **251** 224-234 (1998).
127. "Universal Ising Dynamics in Two Dimensions";  
M.P. Nightingale and H.W.J. Blöte,  
Physica A **251** 211-223 (1998).
128. "Collapse of a Polymer in Two Dimensions";  
H.W.J. Blöte, M.T. Batchelor and B. Nienhuis,  
Physica A **251** 95-103 (1998).
129. "Geometric Cluster Monte Carlo Simulation";  
J.R. Heringa and H.W.J. Blöte,  
Phys. Rev. E **57** 4976-4978 (1998).
130. "Hoe maak je random getallen?";  
H.W.J. Blöte,  
Ned. Tijdschr. voor Natuurkunde **64** 63-65 (1998).
131. "The  $O(n)$  Model on the Triangular Lattice";  
Y.M.M. Knops, B. Nienhuis and H.W.J. Blöte,  
J. Phys. A **31** 2941-2966 (1998).
132. "Geometric Symmetries and Cluster Simulations";  
J.R. Heringa and H.W.J. Blöte,  
Physica A **254** 156-163 (1998).

133. "Finite-Size Scaling Above the Upper Critical Dimension Revisited; the Case of the Five-Dimensional Ising Model";  
E. Luijten, K. Binder and H.W.J. Blöte,  
Eur. Phys. J. B **9**, 289-297 (1999).
134. "First- and Second-Order Transitions in Dilute  $O(n)$  Models";  
W.-A. Guo, H.W.J. Blöte and B. Nienhuis,  
Int. J. Mod. Phys. C **10** 291-300 (1999).
135. "Phase Diagram of a Loop on the Square Lattice";  
W.-A. Guo, H.W.J. Blöte and B. Nienhuis,  
Int. J. Mod. Phys. C **10** 301-308 (1999).
136. "The Cluster Processor: New Results";  
H.W.J. Blöte, L.N. Shchur and A.L. Talapov,  
Int. J. Mod. Phys. C **10** 1137-1148 (1999).
137. "Probability Distribution of the Order Parameter for the 3D Ising Model Universality Class: a High-Precision Monte Carlo Study";  
M.M. Tsy-pin and H.W.J. Blöte,  
Phys. Rev. E **62** 73-76 (2000).
138. "Three-Dimensional Ising Model in the Fixed-Magnetization Ensemble: a Monte Carlo Study";  
H.W.J. Blöte, J.R. Heringa and M.M. Tsy-pin,  
Phys. Rev. E **62** 77-82 (2000).
139. "High-Dimensional Lattice Gases";  
J.R. Heringa, H.W.J. Blöte and E. Luijten,  
J. Phys. A **33** 2929-2942 (2000).
140. "Monte Carlo Computation of Correlation Times of Independent Relaxation Modes at Criticality";  
M.P. Nightingale and H.W.J. Blöte,  
Phys. Rev. B **62** 1089-1101 (2000).
141. "Monte Carlo Investigations of Phase Transitions: Status and Perspectives";  
K. Binder, E. Luijten, M. Müller, N.B. Wilding and H.W.J. Blöte,  
Physica A **281** 112-128 (2000).
142. "Phase Transition in the  $n > 2$  Honeycomb  $O(n)$  Model";  
W.-A. Guo, H.W.J. Blöte and F.Y. Wu,  
Phys. Rev. Lett. **85** 3874-3877 (2000).
143. "Phase Transition in a Two-Dimensional Heisenberg Model";  
H.W.J. Blöte, W. Guo and H.J. Hilhorst,  
Phys. Rev. Lett. **88** 047203 (p.1-4) (2002).

144. "Cluster Monte Carlo: Extending the Range";  
H.W.J. Blöte, J.R. Heringa and E. Luijten,  
Computer Physics Communications **147** 58-63 (2002).
145. "Conformal Invariance of the Ising Model in three Dimensions";  
Y. Deng and H.W.J. Blöte,  
Phys. Rev. Lett. **88** 190602 (p.1-4) (2002).
146. "Phase Transitions in the Two-Dimensional O(3) Model";  
H.W.J. Blöte and W. Guo,  
Int. J. Mod. Phys. B **16** 1891-1897 (2002).
147. "Boundary between Long-Range and Short-Range Critical Behavior in Systems  
with Algebraic Interactions";  
E. Luijten and H.W.J. Blöte,  
Phys. Rev. Lett. **89** 025703 (p.1-4) (2002).
148. "Cluster Monte Carlo Simulation of the Transverse Ising Model";  
H.W.J. Blöte and Y. Deng,  
Phys. Rev. E **66** 066110 (p.1-8) (2002).
149. "Finite-Size Analysis of the Hard-Square Lattice Gas";  
W. Guo and H.W.J. Blöte,  
Phys. Rev. E **66** 046140 (p.1-10) (2002).
150. "Conformal Invariance and the Ising Model on a Spheroid";  
Y. Deng and H.W.J. Blöte,  
Phys. Rev. E **67** 036107 (p.1-10) (2003).
151. "Conformal Invariance and Simulations in Curved Geometries";  
H.W.J. Blöte and Y. Deng,  
Physica A **321** 59-70 (2003).
152. "Bulk and Surface Critical Behavior of the Three-Dimensional Ising Model and  
Conformal Invariance";  
Y. Deng and H.W.J. Blöte,  
Phys. Rev. E **67** 066116 (p.1-8) (2003).
153. "Simultaneous Analysis of Several Models in the 3-D Ising Universality Class";  
Y. Deng and H.W.J. Blöte,  
Phys. Rev. E **68** 036125 (p.1-9) (2003).
154. "Backbone Exponents of the two-dimensional  $q$ -State Potts Model: a Monte  
Carlo Investigation";  
Y. Deng, H.W.J. Blöte and B. Nienhuis,  
Phys. Rev. E **69**, 026114 (p.1-9) (2004).
155. "Geometric Properties of Two-Dimensional Critical and Tricritical Potts Mod-  
els";

- Y. Deng, H.W.J. Blöte and B. Nienhuis,  
Phys. Rev. E **69**, 026123 (p.1-7) (2004).
156. "Critical Frontier of the Triangular Ising Antiferromagnet in a Field";  
X.-F. Qian, M. Wegewijs and H.W.J. Blöte,  
Phys. Rev. E **69**, 036127 (p.1-13) (2004).
157. "Phase Transitions of a Dilute  $O(n)$  Model";  
W.-A. Guo, H.W.J. Blöte and Y.-Y. Liu,  
Comm. in Theoretical Physics **41**, 911-916 (2004).
158. "Anisotropic Limit of the Bond-Percolation Model and Conformal Invariance  
in Curved Geometries";  
Y. Deng and H.W.J. Blöte,  
Phys. Rev. E **69**, 066129 (p.1-10) (2004).
159. "Triangular Ising Model with Nearest- and Next-Nearest Neighbor Couplings  
in a Field";  
X.-F. Qian and H.W.J. Blöte,  
Phys. Rev. E **70**, 036112 (p.1-8) (2004).
160. "Magnetic and Backbone Exponents of the Percolation and Ising Models in  
Three Dimensions";  
Y. Deng and H.W.J. Blöte,  
Phys. Rev. E **70**, 046106 (p.1-6) (2004).
161. "Constrained Tricritical Blume-Capel Model in Three Dimensions";  
Y. Deng, J.R. Heringa and H.W.J. Blöte,  
Phys. Rev. E **70**, 046111 (p.1-11) (2004).
162. "Spontaneous Edge Order and Geometric Aspects of Two-Dimensional Potts  
Models";  
Y. Deng and H.W.J. Blöte,  
Phys. Rev. E **70**, 035107 (p.1-4) (2004).
163. "Red-Bond Exponents of the Critical and Tricritical Ising Model in Three Di-  
mensions";  
Y. Deng and H.W.J. Blöte,  
Phys. Rev. E **70**, 056132 (p.1-7) (2004).
164. "Surface Critical Phenomena in Three-Dimensional Percolation";  
Y. Deng and H.W.J. Blöte,  
Phys. Rev. E **71**, 016117 (p.1-10) (2005).
165. "Simulation Algorithms for the Random-Cluster Model";  
X.-F. Qian, Y. Deng and H.W.J. Blöte,  
Phys. Rev. E **71**, 016709 (p.1-6) (2005).

166. "Edge Phase Transitions of the Tricritical Potts Model in Two Dimensions";  
Y. Deng and H.W.J. Blöte,  
Phys. Rev. E **71**, 026109 (p.1-12) (2005).
167. "Constrained Tricritical Phenomena in Two Dimensions";  
Y. Deng and H.W.J. Blöte,  
Phys. Rev. E **71**, 036115 (p.1-13) (2005).
168. "Monte Carlo Renormalization: the Triangular Ising Model as a Test Case";  
W. Guo, H.W.J. Blöte and Z. Ren,  
Phys. Rev. E **71**, 046126 (p.1-10) (2005).
169. "Percolation in one of  $q$  Colors near Criticality";  
X.-F. Qian, Y. Deng and H.W.J. Blöte,  
Phys. Rev. B. **71**, 144303 (p.1-6) (2005).
170. "Percolation between Vacancies in the Two-Dimensional Blume-Capel Model";  
Y. Deng, W. Guo and H.W.J. Blöte,  
Phys. Rev. E **72**, 016101 (p.1-11) (2005).
171. "Monte Carlo Study of the Site-Percolation Model in Two and Three Dimensions";  
Y. Deng and H.W.J. Blöte,  
Phys. Rev. E **72**, 016126 (p.1-10) (2005).
172. "Surface and Bulk Transitions in Three-Dimensional  $O(n)$  Models";  
Y. Deng, H.W.J. Blöte and M.P. Nightingale,  
Phys. Rev. E **72**, 016128 (p.1-11) (2005).
173. "Dilute Potts Model in Two Dimensions";  
X.-F. Qian, Y. Deng and H.W.J. Blöte,  
Phys. Rev. E. **72**, 056132 (p.1-15) (2005).
174. "Exact Characterization of  $O(n)$  Tricriticality in two Dimensions";  
W.-A. Guo, B. Nienhuis and H.W.J. Blöte,  
Phys. Rev. Lett. **96**, 045704 (p.1-4) (2006).
175. "Critical Line of an  $n$ -Component Cubic Model",  
W.A. Guo, X.-F. Qian, H.W.J. Blöte, and F.Y. Wu,  
Phys. Rev. E. **73**, 026104 (p.1-9) (2006).
176. "Applications of Geometric Cluster Algorithms";  
H.W.J. Blöte, Y. Deng and J.R. Heringa,  
Nankai Tracts in Mathematics **10**, 142-151 (2006).
177. "Geometric Properties of Two-Dimensional  $O(n)$  Loop Configurations";  
C.-X. Ding, Y. Deng, W.-A. Guo, X.-F. Qian and H.W.J. Blöte,  
J. Phys. A **40**, 3305-3317 (2007).

178. "Cluster Simulations of Loop Models on Two-Dimensional Lattices";  
Y. Deng, T.M. Garoni, W.-A. Guo, H.W.J. Blöte and A.D. Sokal,  
Phys. Rev. Lett. **98**, 120601 (p.1-4) (2007).
179. "O( $n$ ) Tricriticality in Two Dimensions";  
W.-A. Guo, H.W.J. Blöte and B. Nienhuis,  
Frontiers of Physics in China **2**, 103-108 (2007).
180. "Critical Properties of a Dilute O( $n$ ) Model on the Kagome Lattice";  
B. Li, W.-A. Guo and H.W.J. Blöte,  
Phys. Rev. E **78**, 021128 (p.1-8) (2008).
181. "Percolation Transitions in Two Dimensions";  
X.M. Feng, Y. Deng and H.W.J. Blöte,  
Phys. Rev. E **78**, 031136 (p.1-6) (2008).
182. "Tricritical O( $n$ ) Models in Two Dimensions";  
B. Nienhuis, W.-A. Guo and H.W.J. Blöte,  
Phys. Rev. E **78**, 061104 (p.1-0) (2008).
183. "Percolation and Critical O( $n$ ) Loop Configurations";  
C. Ding, Y. Deng, W. Guo and H.W.J. Blöte,  
Phys. Rev. E **79**, 061118 (p.1-9) (2009).
184. "Crossing Bonds in the Random-Cluster Model";  
W. Guo, Y. Deng and H.W.J. Blöte,  
Phys. Rev. E **79**, 061112 (p.1-5) (2009).
185. "Single-Cluster Dynamics for the Random-Cluster Model";  
Y. Deng, X.-F. Qian, and H.W.J. Blöte,  
Phys. Rev. E **80**, 036707 (p.1-8) (2009).
186. "Phase transitions in self-dual generalizations of the Baxter-Wu model";  
Y. Deng, W.-A. Guo, J.R. Heringa, H.W.J. Blöte and B. Nienhuis,  
Nucl. Phys. B **827** [FS], 406-425 (2010).
187. "Specific heat of the simple-cubic Ising model";  
X.M. Feng and H.W.J. Blöte,  
Phys. Rev. E **81**, 031103 (2010).
188. "Conducting-Angle Induced Percolation in the 2-dimensional XY Model";  
Y. Wang, W.-A. Guo, B. Nienhuis and H.W.J. Blöte,  
Phys. Rev. E **81**, 031117 (2010).

Accepted for publication:

189. "Berezinskii-Kosterlitz-Thouless-like percolation transitions in the two-dimensional XY model" H. Hu, Y. Deng and H. W. J. Blöte,  
Phys. Rev. B (2011).
190. "Crossover phenomena involving the dense  $O(n)$  phase"  
W. Guo and H.W.J. Blöte, Phys. Rev. E (2011).

Submitted for Publication:

191. "Lattice gas with Nearest- and Next-Nearest Neighbor Exclusion";  
X.M. Feng, H.W.J. Blöte and B. Nienhuis,  
Phys. Rev. E (2011).